

**WEST**

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**Search Results - Record(s) 1 through 14 of 14 returned.**☐ 1. Document ID: US 20020173027 A1

L1: Entry 1 of 14

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020173027

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020173027 A1

TITLE: Secreted salivary zsig63 polypeptide

PUBLICATION-DATE: November 21, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Adler, David A.	Bainbridge Island	WA	US	
Sheppard, Paul O.	Granite Falls	WA	US	

US-CL-CURRENT: 435/206; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20020152968 A1

L1: Entry 2 of 14

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020152968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020152968 A1

TITLE: Methods for raising pre-adult anadromous fish

PUBLICATION-DATE: October 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Harris, H. William JR.	Portland	ME	US	
Russell, David R.	Alfred	ME	US	
Nearing, Jacqueline	N. Yarmouth	ME	US	
Betka, Marlies	Portland	ME	US	

US-CL-CURRENT: 119/230

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20020151491 A1

L1: Entry 3 of 14

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151491  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020151491 A1

TITLE: Composition and method for treating the over-production of mucin in diseases such as otitis media using an inhibitor of MUC5AC

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Li, Jian-Dong	Glendale	CA	US	
Lim, David	Pasadena	CA	US	
Xu, Haidong	Glendale	CA	US	
Wang, Beinan	Glendale	CA	US	
Shuto, Tsuyoshi	Kumamoto	CA	JP	
Basbaum, Carol	San Francisco	CA	US	
Kim, Young S.	Hillsborough		US	

US-CL-CURRENT: 514/12, 514/256, 514/259.1, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 4. Document ID: US 20020147314 A1

L1: Entry 4 of 14

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147314  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020147314 A1

TITLE: MUCOSAL VASCULAR ADDRESSINS AND USES THEREOF

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BRISKIN, MICHAEL J.	LEXINGTON	MA	US	
RINGLER, DOUGLAS J.	REVERE	MA	US	
PICARELLA, DOMINIC	SUDBURY	MA	US	
NEWMAN, WALTER	BOSTON	MA	US	

US-CL-CURRENT: 530/391.1, 530/391.7, 530/395, 530/402, 530/866

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMC	Draw Desc	Image
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☐ 5. Document ID: US 20020090677 A1

L1: Entry 5 of 14

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090677  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020090677 A1

TITLE: Secreted salivary zsig63 polypeptide

PUBLICATION-DATE: July 11, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Adler, David A.	Bainbridge Island	WA	US	
Sheppard, Paul O.	Granite Falls	WA	US	

US-CL-CURRENT: 435/69.1, 435/183, 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20020081701 A1

L1: Entry 6 of 14

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020081701

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020081701 A1

TITLE: Secreted salivary zsig63 polypeptide

PUBLICATION-DATE: June 27, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Adler, David A.	Bainbridge Island	WA	US	
Sheppard, Paul O.	Granite Falls	WA	US	

US-CL-CURRENT: 435/206, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20020044988 A1

L1: Entry 7 of 14

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044988

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020044988 A1

TITLE: Nutritional composition and method for improving protein deposition

PUBLICATION-DATE: April 18, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fuchs, Eileen C.	Gaylordsville	CT	US	
Garcia-Rodenas, Clara L.	Forel	CT	CH	
Guigoz, Yves	Epalinges	CT	CH	
Leathwood, Peter	Blonay		CH	
Reiffers-Magnani, Kristel	La Tour-de-Peilz		CH	
Mallangi, Chandrasekhara R.	New Milford		US	
Turini, Marco	Epalinges		CH	
Anantharaman, Helen Gillian	Bridgewater		US	
Beaufr�re, Bernard	Chamalieres		FR	
Dangin, Martial	Clermont-Ferrand		FR	
Ballevre, Olivier	Lausanne		CH	

US-CL-CURRENT: 426/2; 424/439, 426/41, 426/583, 426/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 20020044957 A1

L1: Entry 8 of 14

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044957

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020044957 A1

TITLE: Nutritional composition

PUBLICATION-DATE: April 18, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fuchs, Eileen C.	Gaylordsville	CT	US	
Garcia-Rodenas, Clara L.	Forel	CT	CH	
Guigoz, Yves	Epalinges	CT	CH	
Leathwood, Peter	Blonay		CH	
Reiffers-Magnani, Kristel	La Tour-de-Peilz		CH	
Mallangi, Chandrasekhara R.	New Milford		US	
Turini, Marco	Epalinges		CH	
Anantharaman, Helen Gillian	Bridgewater		US	

US-CL-CURRENT: 424/439; 424/442, 514/2, 514/23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 20010031723 A1

L1: Entry 9 of 14

File: PGPB

Oct 18, 2001

PGPUB-DOCUMENT-NUMBER: 20010031723

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010031723 A1

TITLE: Method for maintaining or improving the synthesis of mucins

PUBLICATION-DATE: October 18, 2001



## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Balleve, Olivier	Lausanne		CH	
Finot, Paul-Andre	St. Legier		CH	
Breuille, Denis	Saint-Saturnin		FR	

US-CL-CURRENT: 514/2; 530/350; 530/372; 530/375

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6331413 B1

L1: Entry 10 of 14

File: USPT

Dec 18, 2001

US-PAT-NO: 6331413

DOCUMENT-IDENTIFIER: US 6331413 B1

TITLE: Secreted salivary ZSIG63 Polypeptide

DATE-ISSUED: December 18, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adler; David A.	Bainbridge Island	WA		
Sheppard; Paul O.	Granite Falls	WA		

US-CL-CURRENT: 435/69.1; 435/252.3; 435/320.1; 435/325; 435/6; 536/23.1; 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6187558 B1

L1: Entry 11 of 14

File: USPT

Feb 13, 2001

US-PAT-NO: 6187558

DOCUMENT-IDENTIFIER: US 6187558 B1

TITLE: Invertebrate intestinal mucin cDNA and related products and methods

DATE-ISSUED: February 13, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Granados; Robert R.	Ithaca	NY		
Wang; Ping	Ithaca	NY		

US-CL-CURRENT: 435/69.1; 435/252.3; 435/320.1; 435/325; 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 5681819 A

L1: Entry 12 of 14

File: USPT

Oct 28, 1997

US-PAT-NO: 5681819

DOCUMENT-IDENTIFIER: US 5681819 A

TITLE: Method and compositions for reducing cholesterol absorption

DATE-ISSUED: October 28, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tang; Jordan J. N.	Edmund	OK		
Wang; Chi-Sun	Oklahoma City	OK		

US-CL-CURRENT: 514/12; 514/13, 514/14, 514/15, 514/16, 514/17, 514/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMNC	Draw Desc	Image
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☐ 13. Document ID: WO 200215719 A2 AU 200195488 A

L1: Entry 13 of 14

File: DWPI

Feb 28, 2002

DERWENT-ACC-NO: 2002-280845

DERWENT-WEEK: 200253

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TITLE: Composition as nutritive supplement for sick patient, comprises sources of protein having preset amount of whey protein, lipid with preset fatty acid, carbohydrate and macro-nutrient, providing preset total calories

INVENTOR: ANANTHARAMAN, H G; FUCHS, E C ; GARCIA-RODENAS, C L ; GUIGOZ, Y ; LEATHWOOD, P ; MALLANGI, C R ; REIFFERS-MAGNANI, K ; TURINI, M

PRIORITY-DATA: 2000US-227117P (August 22, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200215719 A2	February 28, 2002	E	020	A23L001/29
AU 200195488 A	March 4, 2002		000	A23L001/29

INT-CL (IPC): A23 L 1/29; A23 L 1/302; A23 L 1/305

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMNC	Draw Desc	Image
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☐ 14. Document ID: WO 200156405 A2 AU 200140564 A US 20010031723 A1

L1: Entry 14 of 14

File: DWPI

Aug 9, 2001

DERWENT-ACC-NO: 2001-496898

DERWENT-WEEK: 200173

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TITLE: Maintaining synthesis in patient involves administering nutritional composition comprising threonine

INVENTOR: BALLEVRE, O; BREUILLE, D ; FINOT, P

PRIORITY-DATA: 2001US-0774814 (January 30, 2001), 2000US-0498905 (February 4, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200156405 A2	August 9, 2001	E	024	A23L001/305
AU 200140564 A	August 14, 2001		000	A23L001/305
US 20010031723 A1	October 18, 2001		000	A01N037/18

INT-CL (IPC): A01 N 37/18; A23 J 1/12; A23 L 1/305; A61 K 35/78; A61 K 35/80; A61 K 38/00; C07 K 1/00; C07 K 14/00; C07 K 16/00; C07 K 17/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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Term	Documents
NUTRITION.DWPI,TDBD,EPAB,USPT,PGPB.	15030
NUTRITIONS.DWPI,TDBD,EPAB,USPT,PGPB.	121
NUTRITIONAL.DWPI,TDBD,EPAB,USPT,PGPB.	21740
NUTRITIONALS.DWPI,TDBD,EPAB,USPT,PGPB.	143
THREONINE.DWPI,TDBD,EPAB,USPT,PGPB.	22165
THREONINES.DWPI,TDBD,EPAB,USPT,PGPB.	333
MUCIN?	0
MUCINA.DWPI,TDBD,EPAB,USPT,PGPB.	2
MUCINE.DWPI,TDBD,EPAB,USPT,PGPB.	52
MUCING.DWPI,TDBD,EPAB,USPT,PGPB.	1
((NUTRITION OR NUTRITIONAL ) AND THREONINE AND MUCIN?).USPT,PGPB,EPAB,DWPI,TDBD.	14

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## WEST Search History

DATE: Monday, November 25, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=USPT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>		
L1	(nutrition or nutritional ) and threonine and mucin?	14	L1

END OF SEARCH HISTORY

FILE 'HOME' ENTERED AT 13:52:20 ON 25 NOV 2002

=> medicine bioscience meetings food

MEDICINE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> index medicine bioscience meetings food

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CANCERLIT, CAPLUS, CEN, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, DRUGNL, DRUGU, EMBAL, EMBASE, ESBIODASE, IFIPAT, IPA, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF, MEDLINE, NAPRALERT, NLDB, ...' ENTERED AT 13:53:46 ON 25 NOV 2002

78 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s (nutritional or nutrition) and mucin and threonine

6 FILE BIOSIS

6 FILE CAPLUS

12 FILES SEARCHED...

1 FILE EMBASE

1 FILE ESBIODASE

1 FILE IFIPAT

23 FILES SEARCHED...

1 FILE PASCAL

2 FILE SCISEARCH

148 FILE USPATFULL

1 FILE USPAT2

38 FILES SEARCHED...

1 FILE BIOBUSINESS

48 FILES SEARCHED...

1 FILE FEDRIP

1 FILE FROSTI

54 FILES SEARCHED...

65 FILES SEARCHED...

2 FILE WPIDS

2 FILE WPINDEX

73 FILES SEARCHED...

14 FILES HAVE ONE OR MORE ANSWERS, 78 FILES SEARCHED IN STNINDEX

L1 QUE (NUTRITIONAL OR NUTRITION) AND MUCIN AND THREONINE

=> file hits

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TOTAL

ENTRY

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8.90

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=> s l1

L2	148	FILE USPATFULL
L3	6	FILE BIOSIS
L4	6	FILE CAPLUS
L5	2	FILE SCISEARCH
L6	2	FILE WPIDS
L7	1	FILE EMBASE
L8	1	FILE ESBIOBASE
L9	1	FILE IFIPAT
L10	1	FILE PASCAL
L11	1	FILE USPAT2
L12	1	FILE BIOBUSINESS
L13	1	FILE FEDRIP
L14	1	FILE FROSTI

TOTAL FOR ALL FILES

L15 172 L1

=> dup rem l15

DUPLICATE IS NOT AVAILABLE IN 'FEDRIP'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L15

L16 163 DUP REM L15 (9 DUPLICATES REMOVED)

=> s l16 and disease

L17	148	S L16
L18	146	FILE USPATFULL
L19	6	S L16
L20	1	FILE BIOSIS

L21 4 S L16  
 L22 1 FILE CAPLUS  
 L23 1 S L16  
 L24 0 FILE SCISEARCH  
 L25 1 S L16  
 L26 1 FILE WPIDS  
 L27 0 S L16  
 L28 0 FILE EMBASE  
 L29 0 S L16  
 L30 0 FILE ESBIODASE  
 L31 0 S L16  
 L32 0 FILE IFIPAT  
 L33 1 S L16  
 L34 0 FILE PASCAL  
 L35 0 S L16  
 L36 0 FILE USPAT2  
 L37 0 S L16  
 L38 0 FILE BIOBUSINESS  
 L39 1 S L16  
 L40 0 FILE FEDRIP  
 L41 1 S L16  
 L42 1 FILE FROSTI

TOTAL FOR ALL FILES

L43 150 L16 AND DISEASE

=> d l43 1-150 ibib abs

L43 ANSWER 1 OF 150 USPATFULL

ACCESSION NUMBER: 2002:308509 USPATFULL  
 TITLE: ADAM polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
 Ni, Jian, Germantown, MD, UNITED STATES  
 Hastings, Gregg A., Westlake Village, CA, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Wei, Ping, Brookeville, MD, UNITED STATES  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173640	A1	20021121
APPLICATION INFO.:	US 2002-125452	A1	20020419 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-955504, filed on 19 Sep 2001, PENDING Continuation of Ser. No. US 2000-712907, filed on 16 Nov 2000, PENDING Continuation of Ser. No. WO 2000-US14308, filed on 25 May 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-234222P	20000921 (60)
	US 1999-136388P	19990527 (60)
	US 1999-142930P	19990709 (60)
	US 2000-178717P	20000128 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 22  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 4 Drawing Page(s)  
 LINE COUNT: 13925

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes

encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

L43 ANSWER 2 OF 150 USPATFULL

ACCESSION NUMBER: 2002:308333 USPATFULL  
 TITLE: Protein tyrosine kinase receptor polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Young, Paul E., Gaithersburg, MD, UNITED STATES  
 Ni, Jian, Germantown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173458	A1	20021121
APPLICATION INFO.:	US 2001-836392	A1	20010418 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US28066, filed on 12 Oct 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-159542P	19991015 (60)
	US 1999-165914P	19991117 (60)
	US 2000-189027P	20000314 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	13395	

AB The present invention relates to novel human PTK polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human PTK polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human PTK polypeptides.

L43 ANSWER 3 OF 150 USPATFULL

ACCESSION NUMBER: 2002:308329 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173454	A1	20021121
APPLICATION INFO.:	US 2001-764904	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)



US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 21956

AB The present invention relates to novel reproductive system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "reproductive system related antigens," and the use of such reproductive system related antigens for detecting disorders of the reproductive system, particularly the presence of cancers and cancer metastases. More specifically, isolated reproductive system associated nucleic acid molecules are provided encoding novel reproductive system associated polypeptides. Novel reproductive system related polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human reproductive system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the reproductive system, including reproductive system cancers, and therapeutic methods

for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L43 ANSWER 4 OF 150 USPATFULL

ACCESSION NUMBER: 2002:307903 USPATFULL  
TITLE: Secreted salivary zsig63 polypeptide  
INVENTOR(S): Adler, David A., Bainbridge Island, WA, UNITED STATES  
Sheppard, Paul O., Granite Falls, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173027	A1	20021121
APPLICATION INFO.:	US 2001-922469	A1	20010803 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-527345, filed on 17 Mar 2000, PATENTED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124820P	19990317 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Jennifer K. Johnson, J.D., Patent Department, ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3118	

AB The present invention relates to polynucleotide and polypeptide molecules for zsig63, a novel secreted salivary protein. The polypeptides, and polynucleotides encoding them, may exhibit anti-microbial activity and may be used in the study or treatment of microbial infections. The polynucleotides encoding zsig63, are located on chromosome 4, and can be used to identify a region of the genome associated with human **disease** states. The present invention also includes antibodies to the zsig63 polypeptides.

L43 ANSWER 5 OF 150 USPATFULL

ACCESSION NUMBER: 2002:307870 USPATFULL  
TITLE: 28 human secreted proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, Zhizhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Tewksbury, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002172994	A1	20021121
APPLICATION INFO.:	US 2001-852797	A1	20010511 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998, PENDING Continuation-in-part of Ser.		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-265583P	20010202 (60)
	US 1997-40762P	19970314 (60)
	US 1997-40710P	19970314 (60)
	US 1997-50934P	19970530 (60)
	US 1997-48100P	19970530 (60)
	US 1997-48357P	19970530 (60)
	US 1997-48189P	19970530 (60)
	US 1997-57765P	19970905 (60)
	US 1997-48970P	19970606 (60)
	US 1997-68368P	19971219 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
LINE COUNT: 17794

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

L43 ANSWER 6 OF 150 USPATFULL

ACCESSION NUMBER: 2002:301173 USPATFULL  
TITLE: Human prostate specific G-protein receptor HPRAJ70  
INVENTOR(S): Soppet, Daniel R., Centreville, VA, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Rosen, Craig A., Laytonsville, CA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002168717	A1	20021114
APPLICATION INFO.:	US 2001-968033	A1	20011002 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-339115, filed on 24 Jun 1999, GRANTED, Pat. No. US 6372891 Division of Ser. No. US 1998-53303, filed on 1 Apr 1998, GRANTED, Pat. No. US 5948890 Division of Ser. No. US 1995-465980, filed on 6 Jun 1995, GRANTED, Pat. No. US 5756309		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-237275P	20001003 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	10369	

AB The present invention relates to PSGR, a novel prostate specific gene with homology to a G-protein coupled receptor overexpressed in prostate cancer. More specifically, the invention relates to PSGR polynucleotides and the polypeptides encoded by these polynucleotides, and the use of

PSGR polynucleotides and polypeptides for detecting disorders of the reproductive system, including disorders of the prostate, particularly the presence of cancer. This invention relates to PSGR polynucleotides and polypeptides as well as vectors, host cells, antibodies directed to PSGR polynucleotides and polypeptides and recombinant and synthetic methods for producing the same. Also provided are methods for diagnosing, treating, preventing, and/or prognosing disorders related to the prostate, including cancer. The invention further relates to screening methods for identifying agonists and antagonists of PSGR polynucleotides and polypeptides of the invention and methods and/or compositions for inhibiting or enhancing the production and/or function of the PSGR polypeptides of the present invention.

L43 ANSWER 7 OF 150 USPATFULL

ACCESSION NUMBER: 2002:301167 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002168711	A1	20021114
APPLICATION INFO.:	US 2001-764868	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)

US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 31967  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 8 OF 150 USPATFULL

ACCESSION NUMBER: 2002:295334 USPATFULL  
 TITLE: Steroid hormone receptor polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002165384	A1	20021107
APPLICATION INFO.:	US 2002-103511	A1	20020322 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-805204, filed on 14 Mar 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US24517, filed on 7 Sep 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-189032P	20000314 (60)
	US 1999-152932P	19990909 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 22  
 EXEMPLARY CLAIM: 1

LINE COUNT: 11571

AB The present invention relates to novel human steroid hormone receptor polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human steroid hormone receptor polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human steroid hormone receptor polypeptides.

L43 ANSWER 9 OF 150 USPATFULL

ACCESSION NUMBER: 2002:295327 USPATFULL

TITLE: ADAM polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES

Wei, Ping, Brookeville, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

Hastings, Gregg A., Westlake Village, CA, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2002165377	A1	20021107
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APPLICATION INFO.:	US 2002-125470	A1	20020419 (10)
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RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-712907, filed on 16 Nov 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US14308, filed on 25 May 2000, UNKNOWN		
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NUMBER	DATE
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PRIORITY INFORMATION:	US 1999-136388P	19990527 (60)
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	US 1999-142930P	19990709 (60)
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	US 2000-178717P	20000128 (60)
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DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 22

EXEMPLARY CLAIM: 1

LINE COUNT: 10736

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

L43 ANSWER 10 OF 150 USPATFULL

ACCESSION NUMBER: 2002:295092 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Birse, Charles E., North Potomac, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2002165137	A1	20021107
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APPLICATION INFO.:	US 2001-860670	A1	20010521 (9)
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RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-205515P	20000519 (60)
	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-216880P	20000707 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-236367P	20000929 (60)
	US 2000-239937P	20001013 (60)
	US 2000-249210P	20001117 (60)
	US 2000-249211P	20001117 (60)
	US 2000-249214P	20001117 (60)
	US 2000-231243P	20000908 (60)
	US 2000-246477P	20001108 (60)
	US 2000-246528P	20001108 (60)
	US 2000-246525P	20001108 (60)
	US 2000-246476P	20001108 (60)
	US 2000-246526P	20001108 (60)
	US 2000-249265P	20001117 (60)
	US 2000-230437P	20000906 (60)
	US 2000-251990P	20001208 (60)
	US 2000-251988P	20001205 (60)
	US 2000-251030P	20001205 (60)
	US 2000-251479P	20001206 (60)
	US 2000-256719P	20001205 (60)
	US 2000-250160P	20001201 (60)
	US 2000-251989P	20001208 (60)
	US 2000-250391P	20001201 (60)
	US 2000-254097P	20001211 (60)
	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 20253

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these

polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 11 OF 150 USPATFULL

ACCESSION NUMBER: 2002:294650 USPATFULL

TITLE: TM4SF receptor polynucleotides, polypeptides, and antibodies

INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002164693	A1	20021107
APPLICATION INFO.:	US 2001-972970	A1	20011010 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US11130, filed on 5 Apr 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-195336P	20000410 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11940	
AB	The present invention relates to novel human TM4SF polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human TM4SF polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human TM4SF polypeptides.	

L43 ANSWER 12 OF 150 USPATFULL

ACCESSION NUMBER: 2002:294649 USPATFULL

TITLE: Immune system-related polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Hilbert, David, Bethesda, MD, UNITED STATES  
Kenny, Joseph J., Damascus, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Choi, Gil H., Rockville, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Gruber, Joachim R., Dallas, TX, UNITED STATES  
Endress, Gregory A., Florence, MA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2002164692 A1 20021107  
 APPLICATION INFO.: US 2001-949842 A1 20010912 (9)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US7260, filed  
 on 7 Mar 2001, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-187873P	20000308 (60)
	US 2000-224367P	20000811 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	13952	
AB	The present invention relates to novel human immune system-related polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human immune system-related polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human immune system-related polypeptides.	

L43- ANSWER 13 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:294642 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002164685	A1	20021107
APPLICATION INFO.:	US 2001-764857	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)

US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 16891  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 14 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:294637 USPATFULL  
 TITLE: ErbB4 receptor-specific neuregulin related ligands and uses therefor  
 INVENTOR(S): Godowski, Paul J., Burlingame, CA, UNITED STATES  
 Mark, Melanie Rose, Burlingame, CA, UNITED STATES  
 Zhang, Dong-Xiao, Burlingame, CA, UNITED STATES  
 PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002164680	A1	20021107
APPLICATION INFO.:	US 2001-877665	A1	20010608 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-109206, filed on 30 Jun 1998, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-52019P 19970709 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,  
94080  
NUMBER OF CLAIMS: 38  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 8 Drawing Page(s)  
LINE COUNT: 4273

AB The invention concerns a novel neuregulin related ligand (NRG3) including fragments and variants thereof, as new members of the neuregulin family of compounds. The invention also concerns methods and means for producing NRG3. The native polypeptides of the invention are characterized by containing an extracellular domain including an EGF-like domain, a transmembrane domain and a cytoplasmic domain. Isolated nucleotide sequences encoding such polypeptides, expression vectors containing the nucleotide sequences, recombinant host cells transformed with the vectors, and methods for the recombinant production for the novel NRG3s are also within the scope of the invention.

L43 ANSWER 15 OF 150 USPATFULL

ACCESSION NUMBER: 2002:294626 USPATFULL  
TITLE: Secreted protein HRGDF73  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Carter, Kenneth C., North Potomac, MD, UNITED STATES  
Bednarik, Daniel P., Columbia, MD, UNITED STATES  
Endress, Gregory A., Potomac, MD, UNITED STATES  
Yu, Guo-Liang, Berkeley, CA, UNITED STATES  
Ni, Jian, Rockville, MD, UNITED STATES  
Feng, Ping, Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Tewksbury, MA, UNITED STATES  
Duan, Roxanne, Bethesda, MD, UNITED STATES  
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES  
Florence, Kimberly A., Rockville, MD, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Brewer, Laurie A., St. Paul, MN, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002164669	A1	20021107
APPLICATION INFO.:	US 2001-981876	A1	20011019 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-621011, filed on 20 Jul 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US4482	19980306
	US 1997-40162P	19970307 (60)
	US 1997-40333P	19970307 (60)
	US 1997-38621P	19970307 (60)
	US 1997-40161P	19970307 (60)
	US 1997-40626P	19970307 (60)
	US 1997-40334P	19970307 (60)
	US 1997-40336P	19970307 (60)
	US 1997-40163P	19970307 (60)
	US 1997-47615P	19970523 (60)

US 1997-47600P	19970523 (60)
US 1997-47597P	19970523 (60)
US 1997-47502P	19970523 (60)
US 1997-47633P	19970523 (60)
US 1997-47583P	19970523 (60)
US 1997-47617P	19970523 (60)
US 1997-47618P	19970523 (60)
US 1997-47503P	19970523 (60)
US 1997-47592P	19970523 (60)
US 1997-47581P	19970523 (60)
US 1997-47584P	19970523 (60)
US 1997-47500P	19970523 (60)
US 1997-47587P	19970523 (60)
US 1997-47492P	19970523 (60)
US 1997-47598P	19970523 (60)
US 1997-47613P	19970523 (60)
US 1997-47582P	19970523 (60)
US 1997-47596P	19970523 (60)
US 1997-47612P	19970523 (60)
US 1997-47632P	19970523 (60)
US 1997-47601P	19970523 (60)
US 1997-43580P	19970411 (60)
US 1997-43568P	19970411 (60)
US 1997-43314P	19970411 (60)
US 1997-43569P	19970411 (60)
US 1997-43311P	19970411 (60)
US 1997-43671P	19970411 (60)
US 1997-43674P	19970411 (60)
US 1997-43669P	19970411 (60)
US 1997-43312P	19970411 (60)
US 1997-43313P	19970411 (60)
US 1997-43672P	19970411 (60)
US 1997-43315P	19970411 (60)
US 1997-48974P	19970606 (60)
US 1997-56886P	19970822 (60)
US 1997-56877P	19970822 (60)
US 1997-56889P	19970822 (60)
US 1997-56893P	19970822 (60)
US 1997-56630P	19970822 (60)
US 1997-56878P	19970822 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 74  
EXEMPLARY CLAIM: 1  
LINE COUNT: 13983

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

L43 ANSWER 16 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:291076 USPATFULL  
TITLE: Polynucleotides, materials incorporating them, and methods for using them  
INVENTOR(S): Glenn, Matthew, Auckland, NEW ZEALAND  
Lubbers, Mark W., Palmerston North, NEW ZEALAND  
Dekker, James, Palmerston North, NEW ZEALAND  
PATENT ASSIGNEE(S): Genesis Research & Development Corporation Ltd., NEW ZEALAND (non-U.S. corporation)

Via Lactia BioScience (NZ) Ltd., NEW ZEALAND (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6476209	B1	20021105
APPLICATION INFO.:	US 2000-724623		20001128 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Fredman, Jeffrey		
ASSISTANT EXAMINER:	Chakrabarti, Arun		
LEGAL REPRESENTATIVE:	Speckman, Ann W., Steath, Janet		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	5861		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel polynucleotides isolated from *Lactobacillus rhamnosus*, as well as probes and primers, genetic constructs comprising the polynucleotides, biological materials, including plants, microorganisms and multicellular organisms incorporating the polynucleotides, polypeptides expressed by the polynucleotides, and methods for using the polynucleotides and polypeptides are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 17 OF 150 USPATFULL

ACCESSION NUMBER: 2002:291062 USPATFULL  
TITLE: Secreted protein HNFGF20  
INVENTOR(S): Komatsoulis, George, Silver Spring, MD, United States  
Rosen, Craig A., Laytonsville, MD, United States  
Ruben, Steven M., Olney, MD, United States  
Duan, Roxanne D., Bethesda, MD, United States  
Moore, Paul A., Germantown, MD, United States  
Shi, Yanggu, Gaithersburg, MD, United States  
LaFleur, David W., Washington, DC, United States  
Wei, Ying-Fei, Berkeley, CA, United States  
Ni, Jian, Rockville, MD, United States  
Florence, Kimberly A., Rockville, MD, United States  
Young, Paul, Gaithersburg, MD, United States  
Brewer, Laurie A., St. Paul, MN, United States  
Soppet, Daniel R., Centreville, VA, United States  
Endress, Gregory A., Potomac, MD, United States  
Ebner, Reinhard, Gaithersburg, MD, United States  
Olsen, Henrik, Gaithersburg, MD, United States  
Mucenski, Michael, Cincinnati, OH, United States  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6476195	B1	20021105
APPLICATION INFO.:	US 2000-489847		20000124 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 1999-US17130, filed on 29 Jul 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-94657P	19980730 (60)
	US 1998-95486P	19980805 (60)
	US 1998-96319P	19980812 (60)
	US 1998-95454P	19980806 (60)
	US 1998-95455P	19980806 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	

PRIMARY EXAMINER: Jones, W. Gary  
ASSISTANT EXAMINER: Goldberg, Jeanine  
LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.  
NUMBER OF CLAIMS: 36  
EXEMPLARY CLAIM: 1,7  
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)  
LINE COUNT: 20107

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted protein (HNFGF20).  
Polypeptides of the invention are duseful in dianosis and treatment of disorders affecting the immune system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 18 OF 150 USPATFULL

ACCESSION NUMBER: 2002:290742 USPATFULL  
TITLE: 94 Human Secreted Proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, United States  
Ni, Jian, Rockville, MD, United States  
Rosen, Craig A., Laytonsville, MD, United States  
Wei, Ying-Fei, Berkeley, CA, United States  
Young, Paul, Gaithersburg, MD, United States  
Florence, Kimberly, Rockville, MD, United States  
Soppet, Daniel R., Centreville, VA, United States  
Brewer, Laurie A., St. Paul, MN, United States  
Endress, Gregory A., Potomac, MD, United States  
Carter, Kenneth C., Potomac, MD, United States  
Mucenski, Michael, Cincinnati, OH, United States  
Ebner, Reinhard, Gaithersburg, MD, United States  
Lafleur, David W., Washington, DC, United States  
Olsen, Henrik, Gaithersburg, MD, United States  
Shi, Yanggu, Gaithersburg, MD, United States  
Moore, Paul A., Germantown, MD, United States  
Komatsoulis, George, Silver Spring, MD, United States  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6475753	B1	20021105
APPLICATION INFO.:	US 1999-461325		19991214 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-89507P	19980616 (60)
	US 1998-89508P	19980616 (60)
	US 1998-89509P	19980616 (60)
	US 1998-89510P	19980616 (60)
	US 1998-90112P	19980622 (60)
	US 1998-90113P	19980622 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Eyler, Yvonne  
ASSISTANT EXAMINER: Hamud, Fozia  
LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.  
NUMBER OF CLAIMS: 37  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 18031

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells,

antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 19 OF 150 USPATFULL

ACCESSION NUMBER: 2002:288336 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002161208	A1	20021031
APPLICATION INFO.:	US 2001-764884	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	18396	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 20 OF 150 USPATFULL

ACCESSION NUMBER: 2002:288328 USPATFULL  
TITLE: ErbB4 receptor-specific neuregulin related ligands and uses therefor  
INVENTOR(S): Godowski, Paul J., Burlingame, CA, UNITED STATES  
Mark, Melanie Rose, Burlingame, CA, UNITED STATES  
Zhang, Dong Xiao, Burlingame, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (2)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002161200	A1	20021031
APPLICATION INFO.:	US 2002-136573	A1	20020429 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-480977, filed on 11 Jan 2000, PENDING Continuation of Ser. No. US 1997-899437, filed on 24 Jul 1997, GRANTED, Pat. No. US 6121415		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-52019P 19970709 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,  
94080  
NUMBER OF CLAIMS: 38  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Page(s)  
LINE COUNT: 4345

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a novel neuregulin related ligand (NRG3) including fragments and variants thereof, as new members of the neuregulin family of compounds. The invention also concerns methods and means for producing NRG3. The native polypeptides of the invention are characterized by containing an extracellular domain including an EGF-like domain, a transmembrane domain and a cytoplasmic domain. Isolated nucleotide sequences encoding such polypeptides, expression vectors containing the nucleotide sequences, recombinant host cells transformed with the vectors, and methods for the recombinant production for the novel NRG3s are also within the scope of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 21 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:287630 USPATFULL  
TITLE: Serine/**threonine** phosphatase polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002160493	A1	20021031
APPLICATION INFO.:	US 2001-941831	A1	20010830 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US6256, filed on 28 Feb 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-186350P	20000302 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	14729	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human PSPase polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human PSPase polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human PSPase polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 22 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:287628 USPATFULL  
TITLE: Human Serpin polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES



Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002160491	A1	20021031
APPLICATION INFO.:	US 2001-912628	A1	20010726 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US5082, filed on 29 Feb 2000, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US2484, filed on 26 Jan 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-178769P	20000128 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12380	
AB	The present invention relates to novel human Serpin polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human Serpin polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human Serpin polypeptides.	

L43 ANSWER 23 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:287521 USPATEFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002160384	A1	20021031
APPLICATION INFO.:	US 2001-992598	A1	20011114 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28		

Aug 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19991220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
	US 1998-78910P	19980320 (60)
	US 1998-83322P	19980428 (60)
	US 1998-84600P	19980507 (60)
	US 1998-87106P	19980528 (60)
	US 1998-87607P	19980602 (60)
	US 1998-87609P	19980602 (60)
	US 1998-87759P	19980602 (60)
	US 1998-87827P	19980603 (60)
	US 1998-88021P	19980604 (60)
	US 1998-88025P	19980604 (60)
	US 1998-88026P	19980604 (60)
	US 1998-88028P	19980604 (60)

US 1998-88029P	19980604 (60)
US 1998-88030P	19980604 (60)
US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
US 1998-88167P	19980605 (60)
US 1998-88202P	19980605 (60)
US 1998-88212P	19980605 (60)
US 1998-88217P	19980605 (60)
US 1998-88655P	19980609 (60)
US 1998-88734P	19980610 (60)
US 1998-88738P	19980610 (60)
US 1998-88742P	19980610 (60)
US 1998-88810P	19980610 (60)
US 1998-88824P	19980610 (60)
US 1998-88826P	19980610 (60)
US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
US 1998-88876P	19980611 (60)
US 1998-89105P	19980612 (60)
US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower, Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS:

118

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

330 Drawing Page(s)

LINE COUNT:

32279

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 24 OF 150 USPATFULL

ACCESSION NUMBER:

2002:287117 USPATFULL

TITLE:

Lactobacillus rhamnosus polynucleotides, polypeptides  
and methods for using them

INVENTOR(S):

Glenn, Matthew, Whenuapai, NEW ZEALAND  
Havukkala, Ilkka J., Remuera, NEW ZEALAND  
Bloksberg, Leonard N., Remuera, NEW ZEALAND  
Lubbers, Mark W., Palmerston North, NEW ZEALAND  
Dekker, James, Palmerston North, NEW ZEALAND  
Christensson, Anna C., Lund, SWEDEN  
Holland, Ross, Palmerston North, NEW ZEALAND  
O'Toole, Paul W., Palmerston North, NEW ZEALAND  
Reid, Julian R., Palmerston North, NEW ZEALAND  
Coolbear, Timothy, Palmerston North, NEW ZEALAND

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002159976	A1	20021031
APPLICATION INFO.:	US 2001-971536	A1	20011002 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-634238, filed on 8 Aug 2000, PENDING Continuation-in-part of Ser. No. US 2000-724623, filed on 28 Nov 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2001-NZ160	20010808
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Ann W. Speckman, SPECKMAN LAW GROUP, Suite 100, 1501 Western Avenue, Seattle, WA, 98101	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	64 Drawing Page(s)	
LINE COUNT:	8250	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel polynucleotides isolated from *Lactobacillus rhamnosus*, as well as probes and primers, genetic constructs comprising the polynucleotides, biological materials, including plants, microorganisms and multicellular organisms incorporating the polynucleotides, polypeptides expressed by the polynucleotides, and methods for using the polynucleotides and polypeptides are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 25 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:283360 USPATFULL  
 TITLE: Keratinocyte derived interferon  
 INVENTOR(S): LaFleur, David W., Washington, DC, United States  
 Moore, Paul A., Germantown, MD, United States  
 Ruben, Steven M., Olney, MD, United States  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6472512	B1	20021029
APPLICATION INFO.:	US 2001-908594		20010720 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-487792, filed on 20 Jan 2000 Continuation-in-part of Ser. No. WO 2000-US1239, filed on 20 Jan 2000 Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999 Continuation-in-part of Ser. No. WO 1999-US16424, filed on 21 Jul 1999 Continuation-in-part of Ser. No. US 2001-358587, filed on 24 May 2001, now abandoned Continuation-in-part of Ser. No. WO 1998-US9916424, filed on 21 Jul 1998, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-292934P	20010524 (60)
	US 2000-219621P	20000721 (60)
	US 1998-93643P	19980721 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Kunz, Gary L.	
ASSISTANT EXAMINER:	Seharaseyon, Jegatheesan	
LEGAL REPRESENTATIVE:	Human Genome Sciences, Inc.	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	

NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)  
LINE COUNT: 14148

AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

L43 ANSWER 26 OF 150 USPATFULL

ACCESSION NUMBER: 2002:280103 USPATFULL

TITLE: Calcium channel polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002155539	A1	20021024
APPLICATION INFO.:	US 2002-50786	A1	20020118 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-774028, filed on 31 Jan 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US20392, filed on 27 Jul 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-145958P	19990728 (60)
	US 1999-149446P	19990818 (60)
	US 2000-189064P	20000314 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 22

EXEMPLARY CLAIM: 1

LINE COUNT: 11310

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human calcium channel polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human calcium channel polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human calcium channel polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 27 OF 150 USPATFULL

ACCESSION NUMBER: 2002:277562 USPATFULL

TITLE: Methods for raising pre-adult anadromous fish

INVENTOR(S): Harris, H. William, JR., Portland, ME, UNITED STATES  
Russell, David R., Alfred, ME, UNITED STATES  
Nearing, Jacqueline, N. Yarmouth, ME, UNITED STATES  
Betka, Marlies, Portland, ME, UNITED STATES

PATENT ASSIGNEE(S): Marical, LLC, Portland, ME, 04104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002152968	A1	20021024

APPLICATION INFO.: US 2001-975553 A1 20011011 (9)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-687477, filed  
on 12 Oct 2000, PENDING Continuation-in-part of Ser.  
No. US 2000-687476, filed on 12 Oct 2000, PENDING  
Continuation-in-part of Ser. No. US 2000-687372, filed  
on 12 Oct 2000, PENDING  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA  
ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133  
NUMBER OF CLAIMS: 95  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 59 Drawing Page(s)  
LINE COUNT: 5115

AB The invention relates to methods, compositions and kits for improving  
the raising of pre-adult anadromous fish, or preparing pre-adult  
anadromous fish for transfer to seawater. The methods involve adding at  
least one Polyvalent Cation Sensing Receptor (PVCr) modulator to the  
freshwater in an amount sufficient to increase expression and/or  
sensitivity of at least one PVCr; and adding feed for fish consumption  
to the freshwater, wherein the feed comprises an amount of NaCl  
sufficient to contribute to a significantly increased level of the PVCr  
modulator in serum of the pre-adult anadromous fish.

L43 ANSWER 28 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:276073 USPATFULL  
TITLE: **Nutritional** product for a person having  
ulcerative colitis  
INVENTOR(S): Demichele, Stephen Joseph, Dublin, OH, United States  
Garleb, Keith Allen, Powell, OH, United States  
McEwen, John William, Gahanna, OH, United States  
Fuller, Martha Kay, Westerville, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6468987	B1	20021022
APPLICATION INFO.:	US 1999-395509		19990914 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-83736, filed on 22 May 1998, now patented, Pat. No. US 5952314 Continuation-in-part of Ser. No. US 1994-221349, filed on 1 Apr 1994, now patented, Pat. No. US 5780451		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wilson, James O.		
LEGAL REPRESENTATIVE:	Dixon, J. Michael		
NUMBER OF CLAIMS:	41		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1662		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An enteral **nutritional** product for a person having ulcerative  
colitis contains in combination (a) an oil blend which contains  
eicosapentaenoic acid (20:5n3) and/or docosahexaenoic acid (22:6n3), and  
(b) a source of indigestible carbohydrate which is metabolized to short  
chain fatty acids by microorganisms present in the human colon.  
Preferably the **nutritional** product also contains one or more  
nutrients which act as antioxidants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 29 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:273550 USPATFULL

TITLE: Nucleic acids, proteins and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002151681	A1	20021017
APPLICATION INFO.:	US 2001-925300	A1	20010810 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US5988, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	29771	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to newly identified prostate or prostate cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "prostate cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, and to antibodies that immunospecifically bind these polypeptides, as well as the use of such prostate cancer polynucleotides, antigens, and antibodies for detection, prevention, prognosis, and treatment of disorders of the reproductive system, particularly disorders of the prostate, including, but not limited to, the presence of prostate cancer and prostate cancer metastases. More specifically, isolated prostate cancer nucleic acid molecules are provided encoding novel prostate cancer polypeptides. Novel prostate cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human prostate cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the prostate, including prostate cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 30 OF 150 USPATFULL

ACCESSION NUMBER: 2002:273363 USPATFULL  
TITLE: Composition and method for treating the over-production of **mucin** in **diseases** such as otitis media using an inhibitor of MUC5AC  
INVENTOR(S): Li, Jian-Dong, Glendale, CA, UNITED STATES  
Lim, David, Pasadena, CA, UNITED STATES  
Xu, Haidong, Glendale, CA, UNITED STATES  
Wang, Beinan, Glendale, CA, UNITED STATES  
Shuto, Tsuyoshi, Kumamoto, JAPAN  
Basbaum, Carol, San Francisco, CA, UNITED STATES  
Kim, Young S., Hillsborough, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002151491	A1	20021017

APPLICATION INFO.: US 2001-997551 A1 20011127 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-253494P	20001128 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 91614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	25 Drawing Page(s)	
LINE COUNT:	1123	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein is a method for the identification of a treatment for overproduction of **mucin** during otitis media (OM) and chronic obstructive pulmonary **disease** (COPD). The method uses a MUC5AC plasmid to identify novel cytoplasmic proteins of Nontypeable Haemophilus influenzae, a common mediator of OM and COPD, which up-regulate human MUC5AC **mucin** transcription via a positive p38 MAP kinase pathway and a negative PI 3-Kinase-Akt pathway. These proteins can be used to identify or design inhibitors of the p38 MAP kinase pathway and activators of the PI 3-kinase Akt pathway.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 31 OF 150 USPATFULL

ACCESSION NUMBER: 2002:273351 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002151479	A1	20021017
APPLICATION INFO.:	US 2001-764873	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)



US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 17167

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 32 OF 150 USPATFULL

ACCESSION NUMBER: 2002:272888 USPATFULL  
 TITLE: Human polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002151009	A1	20021017
APPLICATION INFO.:	US 2001-939825	A1	20010828 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US5498, filed on 22 Feb 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-184664P	20000224 (60)
	US 2000-189874P	20000316 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	14831	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 33 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:268568 USPATFULL  
 TITLE: Compositions and methods for monitoring the  
 modification of natural binding partners  
 INVENTOR(S): Craig, Roger K., Cheshire, UNITED KINGDOM  
 Colyer, John, West Yorkshire, UNITED KINGDOM  
 PATENT ASSIGNEE(S): Cyclacel, Ltd., Dundee, UNITED KINGDOM (non-U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6465199	B1	20021015
APPLICATION INFO.:	US 1999-259478		19990226 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Weber, Jon P.		
LEGAL REPRESENTATIVE:	Williams, Kathleen M., Palmer & Dodge, LLP		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	3005		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to methods and compositions for monitoring enzymatic activity as a function of the the interaction of binding partners, wherein binding is dependent upon addition or subtraction of a chemical moiety to or from one of the binding partners by a protein modifying enzyme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 34 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:266431 USPATFULL  
 TITLE: MUCOSAL VASCULAR ADDRESSINS AND USES THEREOF  
 INVENTOR(S): BRISKIN, MICHAEL J., LEXINGTON, MA, UNITED STATES  
 RINGLER, DOUGLAS J., REVERE, MA, UNITED STATES  
 PICARELLA, DOMINIC, SUDBURY, MA, UNITED STATES  
 NEWMAN, WALTER, BOSTON, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002147314	A1	20021010
APPLICATION INFO.:	US 1997-875849	A1	19970908 (8)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: DAVID E BROOK, HAMILTON BROOK SMITH & REYNOLDS, TWO  
MILITIA DRIVE, LEXINGTON, MA, 02173  
NUMBER OF CLAIMS: 100  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 20 Drawing Page(s)  
LINE COUNT: 3801

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to isolated and/or recombinant nucleic acids which encode primate MAdCAMs, and to proteins or polypeptides referred to herein as isolated and/or recombinant primate MAdCAMs. The invention further relates to recombinant nucleic acid constructs, comprising a nucleic acid which encodes a primate MAdCAM of the present invention, a portion thereof, or a variant; to host cells comprising such constructs, useful for the production of recombinant proteins; the use of nucleic acids and/or proteins in assays to identify inhibitors (e.g., antagonists) of primate MAdCAM function; and to antibodies reactive with primate MAdCAM, which are useful in in vitro methods, diagnostic and/or therapeutic applications. The invention also relates to the treatment of individuals, particularly humans, suffering from a **disease** (e.g., inflammatory bowel **disease**) associated with leukocyte recruitment to the gastrointestinal tract or other tissues, for example, as a result of binding of leukocytes to cells expressing the molecule MAdCAM (gut-associated endothelium), comprising administering to the individual an effective amount of an agent, such as an antibody which inhibits the binding of leukocytes to MAdCAM.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 35 OF 150 USPATFULL

ACCESSION NUMBER: 2002:266261 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002147140	A1	20021010
APPLICATION INFO.:	US 2001-764877	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)

US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 33677  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel musculoskeletal system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "musculoskeletal system antigens," and the use of such musculoskeletal system antigens for detecting disorders of the musculoskeletal system, particularly the presence of cancer and cancer metastases. More specifically, isolated musculoskeletal system associated nucleic acid molecules are provided encoding novel musculoskeletal system associated polypeptides. Novel musculoskeletal system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human musculoskeletal system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the musculoskeletal system, including cancer of musculoskeletal tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 36 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:259593 USPATFULL  
TITLE: Bone morphogenic protein (BMP) polynucleotides,  
polypeptides, and antibodies

INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002143170	A1	20021003
APPLICATION INFO.:	US 2002-67422	A1	20020207 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-685899, filed on 11 Oct 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US9028, filed on 6 Apr 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-130693P	19990423 (60)
	US 1999-131672P	19990429 (60)
	US 1999-147020P	19990803 (60)
	US 1999-152933P	19990909 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
LINE COUNT: 10845

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human BMP polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human BMP polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human BMP polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 37 OF 150 USPATFULL

ACCESSION NUMBER: 2002:259389 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES

## PATENT ASSIGNEE(S):

Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002142961	A1	20021003
APPLICATION INFO.:	US 2001-989721	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19991220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
	US 1998-78910P	19980320 (60)
	US 1998-83322P	19980428 (60)
	US 1998-84600P	19980507 (60)

US 1998-87106P	19980528 (60)
US 1998-87607P	19980602 (60)
US 1998-87609P	19980602 (60)
US 1998-87759P	19980602 (60)
US 1998-87827P	19980603 (60)
US 1998-88021P	19980604 (60)
US 1998-88025P	19980604 (60)
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US 1998-88826P	19980610 (60)
US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
US 1998-88876P	19980611 (60)
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US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS:

118

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

330: Drawing Page(s)

LINE COUNT:

32302

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 38 OF 150 USPATFULL

ACCESSION NUMBER: 2002:254206 USPATFULL

TITLE: Isolation and composition of a novel glycosidase from chryseobacterium

INVENTOR(S): Landry, David, Essex, MA, United States

PATENT ASSIGNEE(S): New England Biolabs, Inc., Beverly, MA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6458573	B1	20021001
APPLICATION INFO.:	US 1999-428979		19991028 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-560809, filed on 21 Nov 1995 Continuation-in-part of Ser. No. US 596250, now patented, Pat. No. US 5770405 Continuation of Ser. No. US 1993-126174, filed on 23 Sep 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Nashed, Nashaat T.		
ASSISTANT EXAMINER:	Fronda, Christian L.		
LEGAL REPRESENTATIVE:	Williams, Gregory D.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1328		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In accordance with the present invention, there are provided substantially pure glycosidases obtainable from the genus *Chryseobacterium*. In particular, there is provided a substantially pure *exo .alpha.-N-Acetylgalactosaminidase* from *Chryseobacterium meningosepticum*. A method of cloning this enzyme and producing a recombinant form of the enzyme is also provided by the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 39 OF 150 USPATFULL

ACCESSION NUMBER: 2002:251932 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2002137890	A1	20020926
APPLICATION INFO.:	US 2001-990456	A1	20011114 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
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	US 1998-87607P	19980602 (60)
	US 1998-87609P	19980602 (60)
	US 1998-87759P	19980602 (60)
	US 1998-87827P	19980603 (60)
	US 1998-88021P	19980604 (60)

US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
US 1998-88028P	19980604 (60)
US 1998-88029P	19980604 (60)
US 1998-88030P	19980604 (60)
US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
US 1998-88167P	19980605 (60)
US 1998-88202P	19980605 (60)
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US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
 NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
 Chicago, IL, 60611-5599

NUMBER OF CLAIMS: 118  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 330 Drawing Page(s)  
 LINE COUNT: 31812

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 40 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:251230 USPATFULL  
 TITLE: Isolation and composition of novel glycosidases  
 INVENTOR(S): Wong-Madden, Sharon T., Bellevue, WA, UNITED STATES  
 Guthrie, Ellen P., Andover, MA, UNITED STATES  
 Landry, David, Essex, MA, UNITED STATES  
 Taron, Christopher H., Champaign, IL, UNITED STATES  
 Guan, Chudi, Wenham, MA, UNITED STATES  
 Robbins, Phillips W., Acton, MA, UNITED STATES  
 PATENT ASSIGNEE(S): New England Biolabs, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002137176	A1	20020926
APPLICATION INFO.:	US 2001-3136	A1	20011115 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-560809, filed on 21 Nov 1995, PATENTED Continuation-in-part of Ser. No. US 1996-596250, filed on 24 Jun 1996, PATENTED A 371 of International Ser. No. WO 1994-US10758, filed on 22 Sep 1994, UNKNOWN Continuation-in-part of Ser. No. US 1993-126174, filed on 23 Sep 1993, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Gregory D. Williams, General Counsel, New England Biolabs, Inc., 32 Tozer Road, Beverly, MA, 01915		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Page(s)		
LINE COUNT:	2446		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Substantially pure glycosidases capable for cleaving selected glycosidic bonds have been described including glycosidases isolated from Xanthomonas and recombinant glycosidases. Substrate specificity of isolated enzymes have been identified for GlcNac.beta.1-x, Gal.alpha.1-3R, Gal.alpha.1-6R, Gal.beta.1-3R, Fuc.alpha.-2R, Fuc.alpha.1-3R, Fuc.alpha.1-4R, Man.alpha.1-2R, Man.alpha.1-3R, Man.alpha.1-6R, Man.beta.1-4R, Xyl.beta.1-2R, Glc.beta.1-4R, and Gal.beta.1-4R providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT..

L43 ANSWER 41 OF 150 USPATFULL

ACCESSION NUMBER: 2002:251131 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES  
 Desnoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Hillsborough, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES  
 Zhang, Zemin, Foster City, CA, UNITED STATES

PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2002137075 A1 20020926  
 APPLICATION INFO.: US 2001-993604 A1 20011114 (9)  
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-941992, filed on 28  
 Aug 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
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	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
	US 1998-78910P	19980320 (60)
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	US 1998-87607P	19980602 (60)
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	US 1998-87759P	19980602 (60)
	US 1998-87827P	19980603 (60)
	US 1998-88021P	19980604 (60)

US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
US 1998-88028P	19980604 (60)
US 1998-88029P	19980604 (60)
US 1998-88030P	19980604 (60)
US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
US 1998-88167P	19980605 (60)
US 1998-88202P	19980605 (60)
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US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
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US 1998-89440P	19980616 (60)
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US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
 NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
 Chicago, IL, 60611-5599  
 NUMBER OF CLAIMS: 118  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 330 Drawing Page(s)  
 LINE COUNT: 31782

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 42 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:243576 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002132767	A1	20020919	
APPLICATION INFO.:	US 2001-764847	A1	20010117	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	22665	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 43 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:243562 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132753	A1	20020919
APPLICATION INFO.:	US 2001-764864	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)

US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 37784

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 44 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:243067 USPATFULL  
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
 INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES

Desnoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Hillsborough, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES  
 Zhang, Zemin, Foster City, CA, UNITED STATES  
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132253	A1	20020919
APPLICATION INFO.:	US 2001-991163	A1	20011114. (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19991220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530



WO 2000-US20710	20000728
WO 2000-US22031	20000811
WO 2000-US23522	20000823
WO 2000-US23328	20000824
WO 2000-US30952	20001108
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-49787P	19970616 (60)
US 1997-62250P	19971017 (60)
US 1997-65186P	19971112 (60)
US 1997-65311P	19971113 (60)
US 1997-66770P	19971124 (60)
US 1998-75945P	19980225 (60)
US 1998-78910P	19980320 (60)
US 1998-83322P	19980428 (60)
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US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
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US 1998-88810P	19980610 (60)
US 1998-88824P	19980610 (60)
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US 1998-89105P	19980612 (60)
US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

FILE SEGMENT:

LEGAL REPRESENTATIVE:

Utility

APPLICATION

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS: 118  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 330 Drawing Page(s)  
LINE COUNT: 31817

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 45 OF 150 USPATFULL

ACCESSION NUMBER: 2002:243066 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132252	A1	20020919
APPLICATION INFO.:	US 2001-990442	A1	20011114 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915

WO 1999-US28313	19991130
WO 1999-US28301	19991201
WO 1999-US28634	19991201
WO 1999-US30095	19991216
WO 1999-US30911	19991220
WO 2000-US219	20000105
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US4414	20000222
WO 2000-US4914	20000224
WO 2000-US5004	20000224
WO 2000-US5841	20000302
WO 2000-US6319	20000310
WO 2000-US6884	20000315
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US13358	20000515
WO 2000-US14042	20000522
WO 2000-US15264	20000602
WO 2000-US13705	20000517
WO 2000-US14941	20000530
WO 2000-US20710	20000728
WO 2000-US22031	20000811
WO 2000-US23522	20000823
WO 2000-US23328	20000824
WO 2000-US30952	20001108
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-49787P	19970616 (60)
US 1997-62250P	19971017 (60)
US 1997-65186P	19971112 (60)
US 1997-65311P	19971113 (60)
US 1997-66770P	19971124 (60)
US 1998-75945P	19980225 (60)
US 1998-78910P	19980320 (60)
US 1998-83322P	19980428 (60)
US 1998-84600P	19980507 (60)
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US 1998-87609P	19980602 (60)
US 1998-87759P	19980602 (60)
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US 1998-88021P	19980604 (60)
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US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
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US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
 NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
 Chicago, IL, 60611-5599  
 NUMBER OF CLAIMS: 118  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 330 Drawing Page(s)  
 LINE COUNT: 32377

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 46 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:235387 USPATFULL  
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
 INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES  
 Desnoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Hillsborough, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES

PATENT ASSIGNEE(S): Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002127576	A1	20020912
APPLICATION INFO.:	US 2001-991073	A1	20011114 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
	US 1998-78910P	19980320 (60)
	US 1998-83322P	19980428 (60)
	US 1998-84600P	19980507 (60)
	US 1998-87106P	19980528 (60)

US 1998-87607P	19980602 (60)
US 1998-87609P	19980602 (60)
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US 1998-87827P	19980603 (60)
US 1998-88021P	19980604 (60)
US 1998-88025P	19980604 (60)
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US 1998-88033P	19980604 (60)
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US 1998-88167P	19980605 (60)
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US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
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US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS:

118

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

330 Drawing Page(s)

LINE COUNT:

31783

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 47 OF 150 USPATFULL

ACCESSION NUMBER:

2002:235016 USPATFULL

TITLE:

Novel nucleic acids and polypeptides

INVENTOR(S):

Tang, Y. Tom, San Jose, CA, UNITED STATES

Zhou, Ping, Cupertino, CA, UNITED STATES

Goodrich, Ryle, San Jose, CA, UNITED STATES

Asundi, Vinod, Foster City, CA, UNITED STATES  
Yang, Yonghong, San Jose, CA, UNITED STATES  
Zhang, Jie, Campbell, CA, UNITED STATES  
Wehrman, Tom, Stanford, CA, UNITED STATES  
Drmanac, Radoje T., Palo Alto, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002127199	A1	20020912
APPLICATION INFO.:	US 2001-815925	A1	20010322 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-560875, filed on 27 Apr 2000, PENDING Continuation-in-part of Ser. No. US 2000-496914, filed on 3 Feb 2000, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Ivor R. Elrifi, Mintz, Levin, Cohn, Ferris,, Glovsky and Popeo, P.C., One Financial Center, Boston, MA, 02111		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	6503		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	The present invention provides novel nucleic acids, novel polypeptide sequences encoded by these nucleic acids and uses thereof.		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 48 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:228303 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002123463	A1	20020905
APPLICATION INFO.:	US 2001-989732	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19991220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
	US 1998-78910P	19980320 (60)
	US 1998-83322P	19980428 (60)
	US 1998-84600P	19980507 (60)
	US 1998-87106P	19980528 (60)
	US 1998-87607P	19980602 (60)
	US 1998-87609P	19980602 (60)
	US 1998-87759P	19980602 (60)
	US 1998-87827P	19980603 (60)
	US 1998-88021P	19980604 (60)
	US 1998-88025P	19980604 (60)
	US 1998-88026P	19980604 (60)
	US 1998-88028P	19980604 (60)
	US 1998-88029P	19980604 (60)
	US 1998-88030P	19980604 (60)



US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
US 1998-88167P	19980605 (60)
US 1998-88202P	19980605 (60)
US 1998-88212P	19980605 (60)
US 1998-88217P	19980605 (60)
US 1998-88655P	19980609 (60)
US 1998-88734P	19980610 (60)
US 1998-88738P	19980610 (60)
US 1998-88742P	19980610 (60)
US 1998-88810P	19980610 (60)
US 1998-88824P	19980610 (60)
US 1998-88826P	19980610 (60)
US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
US 1998-88876P	19980611 (60)
US 1998-89105P	19980612 (60)
US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60610  
NUMBER OF CLAIMS: 118  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 330 Drawing Page(s)  
LINE COUNT: 32289

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 49 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:224703 USPATFULL  
TITLE: Methods and compositions for the treatment of keratoconus using protease inhibitors  
INVENTOR(S): Quay, Steven C., Edmonds, WA, United States  
PATENT ASSIGNEE(S): K-Quay Enterprises, LLC, Edmonds, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6444791	B1	20020903	
APPLICATION INFO.:	US 2000-695774		20001024	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-161879P	19991027 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Carlson, Karen Cochrane  
ASSISTANT EXAMINER: Kam, Chih-Min  
LEGAL REPRESENTATIVE: Woodcock Washburn LLP  
NUMBER OF CLAIMS: 6  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 2800

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for treating corneal **diseases** mediated by elevated protease activity include ocular administration of protease inhibitors. One or more protease inhibitors selected from an aspartic, serine, cysteine, or metallo-protease inhibitor are administered to an ocular fluid, surface, or tissue, preferably by topical administration, to inhibit proteolytic activity associated with a corneal **disease** or condition, for example keratoconus. Antiproteolytic formulations of the invention may include carriers that prolong the retention and/or enhance delivery of the protease inhibitor. These formulations can also include other therapeutic agents such as antiinflammatory or antibiotic drugs. In preferred aspects of the invention, antiproteolytic formulations are administered during periods of closed eye tear production. Also provided within the invention are implant devices for corneal delivery of a protease inhibitor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 50 OF 150 USPATFULL

ACCESSION NUMBER: 2002:221965 USPATFULL  
TITLE: Steroid hormone receptor polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002120110	A1	20020829
APPLICATION INFO.:	US 2001-805204	A1	20010314 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US24517, filed on 7 Sep 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-189032P	20000314 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11573	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human steroid hormone receptor polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human steroid hormone receptor polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human steroid hormone receptor polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 51 OF 150 USPATFULL

ACCESSION NUMBER: 2002:221958 USPATFULL

TITLE: 17 human secreted proteins  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Birse, Charles E., North Potomac, MD, UNITED STATES  
 Soppet, Daniel R., Centreville, VA, UNITED STATES  
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
 Moore, Paul A., Germantown, MD, UNITED STATES  
 Wei, Ping, Brookeville, MD, UNITED STATES  
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
 Duan, D. Roxanne, Bethesda, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Choi, Gil H., Rockville, MD, UNITED STATES  
 Fiscella, Michele, Bethesda, MD, UNITED STATES  
 Ni, Jian, Germantown, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002120103	A1	20020829
APPLICATION INFO.:	US 2001-915582	A1	20010727 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US1431, filed on 17 Jan 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-231968P	20000912 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 23  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 20680

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 52 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:221783 USPATFULL  
 TITLE: Serine proteases  
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119925	A1	20020829
APPLICATION INFO.:	US 2001-946633	A1	20010906 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US12207, filed on 5 May 2000, UNKNOWN Continuation-in-part of Ser. No.		

WO 2000-US16848, filed on 20 Jun 2000, UNKNOWN  
Continuation of Ser. No. US 2000-597839, filed on 20  
Jun 2000, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133239P	19990507 (60)
	US	
	US	
	US	
	US	
	US 1999-133239P	19990507 (60)
	US 1999-135163P	19990520 (60)
	US 1999-147005P	19990803 (60)
	US 1999-152935P	19990909 (60)
	US 1999-162979P	19991101 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
LINE COUNT: 8813

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human serine protease polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human serine protease polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human serine protease polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 53 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:221777 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119919	A1	20020829
APPLICATION INFO.:	US 2001-764855	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	19514	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel colorectal cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "colorectal cancer antigens," and the use of such colorectal cancer antigens for detecting disorders of the colon and/or rectum, particularly the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer associated nucleic acid molecules are provided encoding novel colorectal cancer associated polypeptides. Novel colorectal cancer

polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 54 OF 150 USPATFULL

ACCESSION NUMBER: 2002:221379 USPATFULL

TITLE: Trefoil domain-containing polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119519	A1	20020829
APPLICATION INFO.:	US 2001-891171	A1	20010626 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US34920, filed on 22 Dec 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-171618P	19991223 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12171	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human TDC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human TDC polypeptides. The invention further relates to diagnostic and therapeutic methods for diagnosing and treating disorders related to these novel human TDC polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 55 OF 150 USPATFULL

ACCESSION NUMBER: 2002:214240 USPATFULL

TITLE: 47169 and 33935, novel human glycosyl transferases and uses thereof

INVENTOR(S): Meyers, Rachel E., Newton, MA, UNITED STATES  
Williamson, Mark, Saugus, MA, UNITED STATES

PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA, UNITED STATES, 02139 (2)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002115628	A1	20020822
APPLICATION INFO.:	US 2001-1851	A1	20011120 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-249939P	20001120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P., ONE COMMERCE SQUARE, 2005 MARKET STREET, SUITE 2200, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Page(s)	
LINE COUNT:	5365	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated nucleic acids molecules, designated 47169 and 33935 nucleic acid molecules, which encode novel glycosyl transferases. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 47169 and 33935 nucleic acid molecules, host cells into which the expression vectors have been introduced, and non-human transgenic animals in which a 47169 or 33935 gene has been introduced or disrupted. The invention still further provides isolated 47169 and 33935 proteins, fusion proteins, antigenic peptides and anti-47169 and anti-33935 antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 56 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:206605 USPATFULL  
 TITLE: Novel nucleic acids and polypeptides  
 INVENTOR(S): Tang, Y. Tom, San Jose, CA, UNITED STATES  
 Zhou, Ping, Cupertino, CA, UNITED STATES  
 Goodrich, Ryle, San Jose, CA, UNITED STATES  
 Liu, Chenghua, San Jose, CA, UNITED STATES  
 Asundi, Vinod, Foster City, CA, UNITED STATES  
 Wang, Jian-Rui, Cupertino, CA, UNITED STATES  
 Wang, Dunrui, Poway, CA, UNITED STATES  
 Yamazaki, Victoria, Redwood Shores, CA, UNITED STATES  
 Ujwal, Manusha L., Gaithersburg, MD, UNITED STATES  
 Drmanac, Radoje T., Palo Alto, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002111302	A1	20020815
APPLICATION INFO.:	US 2000-728952	A1	20001130 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Ivor R. Elrifi, Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C, One Financial Center, Boston, MA, 02111		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	4863		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides novel nucleic acids, novel polypeptide sequences encoded by these nucleic acids and uses thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 57 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:202239 USPATFULL  
 TITLE: Keratinocyte derived interferon  
 INVENTOR(S): LaFleur, David W., Washington, DC, United States  
 Moore, Paul A., Germantown, MD, United States  
 Ruben, Steven M., Olney, MD, United States  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6433145	B1	20020813
APPLICATION INFO.:	US 2000-487792		20000120 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999, now abandoned Continuation-in-part of Ser. No. WO 1999-US16424, filed on 21 Jul 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 93643P	(60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Stucker, Jeffrey	
ASSISTANT EXAMINER:	Seharaseyon, Jegatheesan	
LEGAL REPRESENTATIVE:	Human Genome Sciences, Inc.	
NUMBER OF CLAIMS:	92	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	13514	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 58 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:198680 USPATFULL  
 TITLE: Extracellular matrix polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Fiscella, Michele, Bethesda, MD, UNITED STATES  
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106780	A1	20020808
APPLICATION INFO.:	US 2001-978249	A1	20011017 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US11643, filed on 11 Apr 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-198123P	20000418 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	13488	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human extracellular matrix polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human extracellular matrix polypeptides. The invention further relates to

diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human extracellular matrix polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 59 OF 150 USPATFULL

ACCESSION NUMBER: 2002:198631 USPATFULL

TITLE: Bcl-2-like polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Duan, D. Roxanne, Bethesda, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106731	A1	20020808
APPLICATION INFO.:	US 2001-912599	A1	20010726 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US3080, filed on 31 Jan 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179487P	20000201 (60)
	US 2000-180697P	20000207 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12354	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human Bcl-2-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human Bcl-2-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human Bcl-2-like polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 60 OF 150 USPATFULL

ACCESSION NUMBER: 2002:192054 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES



Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES  
 Zhang, Zemin, Foster City, CA, UNITED STATES  
 Genentech, Ltd. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002103125	A1	20020801
APPLICATION INFO.:	US 2001-989731	A1	20011120 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)

US 1997-66770P	19971124 (60)
US 1998-75945P	19980225 (60)
US 1998-78910P	19980320 (60)
US 1998-83322P	19980428 (60)
US 1998-84600P	19980507 (60)
US 1998-87106P	19980528 (60)
US 1998-87607P	19980602 (60)
US 1998-87609P	19980602 (60)
US 1998-87759P	19980602 (60)
US 1998-87827P	19980603 (60)
US 1998-88021P	19980604 (60)
US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
US 1998-88028P	19980604 (60)
US 1998-88029P	19980604 (60)
US 1998-88030P	19980604 (60)
US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
US 1998-88167P	19980605 (60)
US 1998-88202P	19980605 (60)
US 1998-88212P	19980605 (60)
US 1998-88217P	19980605 (60)
US 1998-88655P	19980609 (60)
US 1998-88734P	19980610 (60)
US 1998-88738P	19980610 (60)
US 1998-88742P	19980610 (60)
US 1998-88810P	19980610 (60)
US 1998-88824P	19980610 (60)
US 1998-88826P	19980610 (60)
US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
US 1998-88876P	19980611 (60)
US 1998-89105P	19980612 (60)
US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS:

118

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

330 Drawing Page(s)

LINE COUNT:

32359

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 61 OF 150 USPATFULL

ACCESSION NUMBER: 2002:192051 USPATFULL  
TITLE: Methods of treatment and prevention of restenosis  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ni, Jian, Gemantown, MD, UNITED STATES  
Wang, Mingsheng, Flushing, NY, UNITED STATES  
Shi, Yuenian Eric, Roslyn Heights, NY, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002103122	A1	20020801
APPLICATION INFO.:	US 2001-947715	A1	20010907 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2000-US6279	20000313
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	9121	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention describes methods of treating or preventing restenosis, vascular injury, and vascular **disease** in a subject by administering TIMP-4. The inventors have surprisingly found that TIMP-4 has an important role in the accumulation of the extracellular matrix in a vessel wall and as such facilitates the healing process of an injured vessel. Also provided by the present invention is a method of inhibiting migration of smooth muscle cells, such as vascular smooth muscle cells, by introducing to the cell an amount of TIMP-4 effective to inhibit the migration, as well as inhibiting extracellular matrix degradation of a vessel, such as an artery, vein or capillary, by introducing TIMP-4 to the vessel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 62 OF 150 USPATFULL

ACCESSION NUMBER: 2002:191573 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102638	A1	20020801
APPLICATION INFO.:	US 2001-764846	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)

US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 22814

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:191548 USPATFULL  
TITLE: Novel Fab fragment libraries and methods for their use  
INVENTOR(S): Hoogenboom, Hendricus Renerus Jacobus Mattheus,  
Maastricht, NETHERLANDS

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102613	A1	20020801
APPLICATION INFO.:	US 2001-988899	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-US13682, filed on 18 May 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1999-201558	19990518
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY, 10020-1105	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Page(s)	
LINE COUNT:	4310	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides Fab libraries and methods for using the Fab libraries to obtain antibodies against a target. The Fab library of the invention contains at least 10.sup.9 different Fabs, and in some embodiments, at least 10.sup.10 different Fabs. The Fab libraries of the invention are used to isolate polyclonal or monoclonal Fabs that bind with high specificity to targets.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 64 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:179165 USPATFULL  
TITLE: Plasminogen-like polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002094955	A1	20020718
APPLICATION INFO.:	US 2001-832197	A1	20010411 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US27253, filed on 4 Oct 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-158044P	19991007 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11038	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human plasminogen-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human plasminogen-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating

disorders related to these novel human plasminogen-like polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 65 OF 150 USPATFULL

ACCESSION NUMBER: 2002:179163 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002094953	A1	20020718
APPLICATION INFO.:	US 2001-764860	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)
	US 2000-229287P	20000901 (60)
	US 2000-229513P	20000905 (60)
	US 2000-231413P	20000908 (60)
	US 2000-229509P	20000905 (60)
	US 2000-236367P	20000929 (60)
	US 2000-237039P	20001002 (60)
	US 2000-237038P	20001002 (60)
	US 2000-236370P	20000929 (60)
	US 2000-236802P	20001002 (60)
	US 2000-237037P	20001002 (60)

US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 21647

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 66 OF 150 USPATFULL

ACCESSION NUMBER: 2002:172484 USPATFULL  
TITLE: Human signal peptide-containing proteins  
INVENTOR(S): Lal, Preeti, Santa Clara, CA, UNITED STATES  
Hillman, Jennifer L., Mountain View, CA, UNITED STATES  
Corley, Neil C., Mountain View, CA, UNITED STATES  
Guegler, Karl J., Menlo Park, CA, UNITED STATES  
Baughn, Mariah R., San Jose, CA, UNITED STATES  
Sather, Susan K., Palo Alto, CA, UNITED STATES  
Shah, Purvi, Sunnyvale, CA, UNITED STATES  
PATENT ASSIGNEE(S): Incyte Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002091244	A1	20020711
APPLICATION INFO.:	US 2001-799777	A1	20010305 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-2485, filed on 31 Dec 1997, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Legal Department, Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA, 94304		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	10757		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a human signal peptide-containing proteins, the polynucleotides which encode them and methods for their use. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention further provides methods for diagnosing or treating disorders associated with expression of the

proteins

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 67 OF 150 USPATFULL

ACCESSION NUMBER: 2002:171946 USPATFULL

TITLE: Kunitz-type protease inhibitor polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090695	A1	20020711
APPLICATION INFO.:	US 2001-858718	A1	20010517 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US31917, filed on 21 Nov 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-166751P	19991122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12006	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human KTPI polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human KTPI polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human KTPI polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 68 OF 150 USPATFULL

ACCESSION NUMBER: 2002:171928 USPATFULL

TITLE: Secreted salivary zsig63 polypeptide

INVENTOR(S): Adler, David A., Bainbridge Island, WA, UNITED STATES  
Sheppard, Paul O., Granite Falls, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090677	A1	20020711
APPLICATION INFO.:	US 2001-923236	A1	20010803 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-527345, filed on 17 Mar 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124820P	19990317 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Jennifer K. Johnson, J.D., Patent Department, ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3121	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to polynucleotide and polypeptide



molecules for zsig63, a novel secreted salivary protein. The polypeptides, and polynucleotides encoding them, may exhibit anti-microbial activity and may be used in the study or treatment of microbial infections. The polynucleotides encoding zsig63, are located on chromosome 4, and can be used to identify a region of the genome associated with human **disease** states. The present invention also includes antibodies to the zsig63 polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 69 OF 150 USPATFULL

ACCESSION NUMBER: 2002:171925 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090674	A1	20020711
APPLICATION INFO.:	US 2001-764903	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	21376	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 70 OF 150 USPATFULL

ACCESSION NUMBER: 2002:171924 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2002090673 A1 20020711  
APPLICATION INFO.: US 2001-764898 A1 20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
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	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
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	US 2000-229287P	20000901 (60)
	US 2000-229513P	20000905 (60)
	US 2000-231413P	20000908 (60)
	US 2000-229509P	20000905 (60)
	US 2000-236367P	20000929 (60)
	US 2000-237039P	20001002 (60)
	US 2000-237038P	20001002 (60)
	US 2000-236370P	20000929 (60)
	US 2000-236802P	20001002 (60)
	US 2000-237037P	20001002 (60)
	US 2000-237040P	20001002 (60)
	US 2000-240960P	20001020 (60)
	US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 25258

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically,  
isolated nucleic acid molecules are provided encoding novel

polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 71 OF 150 USPATFULL

ACCESSION NUMBER: 2002:171923 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090672	A1	20020711
APPLICATION INFO.:	US 2001-764853	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)

US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850  
 NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 35378  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 72 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:171908 USPATFULL  
 TITLE: Novel antibodies and ligands for "Bonzo" chemokine receptor  
 INVENTOR(S): Briskin, Michael J., Lexington, MA, UNITED STATES  
 Murphy, Kristine E., Wakefield, MA, UNITED STATES  
 Wilbanks, Alyson M., Cambridge, MA, UNITED STATES  
 Wu, Lijun, Reading, MA, UNITED STATES  
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090657	A1	20020711
APPLICATION INFO.:	US 2001-940063	A1	20010827 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-449437, filed on 24 Nov 1999, PATENTED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133		
NUMBER OF CLAIMS:	96		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	40 Drawing Page(s)		
LINE COUNT:	3164		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to an antibody or antigen-binding fragment thereof which binds to the CXC chemokine receptor Bonzo (also referred to as

STRL33, TYMSTR and HBMBU14) and blocks the binding of a ligand (e.g., SExCkine (also referred to as chemokine alpha-5) to the receptor. The invention also relates to a method of identifying agents (molecules, compounds) which can bind to Bonzo and inhibit the binding of a ligand (e.g., SExCkine) and/or modulate a function of Bonzo. The invention relates to an antibody or antigen-binding fragment thereof which binds to the CXC chemokine SExCkine (also referred to as chemokine alpha-5) and inhibit binding of SExCkine to receptor (e.g., Bonzo). The invention also relates to targeting molecules which contain a first binding moiety which binds to mammalian Bonzo and a second binding moiety which binds to a molecule expressed on the surface of a target cell. The invention also relates to a method of promoting and/or effectuating the interaction of a Bonzo.sup.+ cell and a target cell. The invention further relates to a method of modulating a function of Bonzo, and to the use of the antibodies, antigen-binding fragments, targeting molecules and agents identified by the method of the invention in research, therapeutic, prophylactic and diagnostic methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 73 OF 150 USPATFULL

ACCESSION NUMBER: 2002:171866 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090615	A1	20020711
APPLICATION INFO.:	US 2001-764878	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
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	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)

US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
 ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 19407

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel lung related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "lung antigens," and the use of such lung antigens for detecting disorders of the lung, particularly the presence of lung cancer and lung cancer metastases. More specifically, isolated lung associated nucleic acid molecules are provided encoding novel lung associated polypeptides. Novel lung polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lung associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 74 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:165194 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086823	A1	20020704
APPLICATION INFO.:	US 2001-764889	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 17471

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 75 OF 150 USPATFULL

ACCESSION NUMBER: 2002:165193 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086822	A1	20020704
APPLICATION INFO.:	US 2001-764886	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)

US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
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US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
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US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS:

24

EXEMPLARY CLAIM:

1

LINE COUNT:

20931

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 76 OF 150 USPATFULL

ACCESSION NUMBER:

2002:165192 USPATFULL

TITLE:

Nucleic acids, proteins, and antibodies

INVENTOR(S):

Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086821	A1	20020704
APPLICATION INFO.:	US 2001-764881	A1	20010117 (9)

NUMBER

DATE



PRIORITY INFORMATION: US 2000-179065P 20000131 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 27531

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 77 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:165191 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086820	A1	20020704
APPLICATION INFO.:	US 2001-764862	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	17727	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these

polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 78 OF 150 USPATFULL

ACCESSION NUMBER: 2002:165182 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086811	A1	20020704
APPLICATION INFO.:	US 2001-764861	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
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	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
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	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)

US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 22023

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 79 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:164735 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002086353	A1	20020704	
APPLICATION INFO.:	US 2001-764856	A1	20010117	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-179065P	20000131	(60)
	US 2000-180628P	20000204	(60)
	US 2000-214886P	20000628	(60)
	US 2000-217487P	20000711	(60)
	US 2000-225758P	20000814	(60)
	US 2000-220963P	20000726	(60)
	US 2000-217496P	20000711	(60)
	US 2000-225447P	20000814	(60)
	US 2000-218290P	20000714	(60)
	US 2000-225757P	20000814	(60)
	US 2000-226868P	20000822	(60)
	US 2000-216647P	20000707	(60)
	US 2000-225267P	20000814	(60)
	US 2000-216880P	20000707	(60)

US 2000-225270P	20000814 (60)
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US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
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US 2000-244617P	20001101 (60)
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US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 23314

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 80 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:164712 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002086330	A1	20020704	
APPLICATION INFO.:	US 2001-764893	A1	20010117	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)
	US 2000-229287P	20000901 (60)
	US 2000-229513P	20000905 (60)
	US 2000-231413P	20000908 (60)
	US 2000-229509P	20000905 (60)
	US 2000-236367P	20000929 (60)
	US 2000-237039P	20001002 (60)
	US 2000-237038P	20001002 (60)
	US 2000-236370P	20000929 (60)
	US 2000-236802P	20001002 (60)
	US 2000-237037P	20001002 (60)
	US 2000-237040P	20001002 (60)
	US 2000-240960P	20001020 (60)
	US 2000-239935P	20001013 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS:

24

EXEMPLARY CLAIM:

1

LINE COUNT: 25862  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 81 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:157624 USPATFULL  
TITLE: ErbB4 receptor-specific neuregulin related ligands and uses therefor  
INVENTOR(S): Godowski, Paul J., Burlingame, CA, UNITED STATES  
Mark, Melanie Rose, Burlingame, CA, UNITED STATES  
Zhang, Dong-Xiao, Burlingame, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002082229	A1	20020627
APPLICATION INFO.:	US 2001-817647	A1	20010326 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-107979, filed on 30 Jun 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-53641P	19970724 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Page(s)	
LINE COUNT:	4262	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a novel neuregulin related ligand (NRG3) including fragments and variants thereof, as new members of the neuregulin family of compounds. The invention also concerns methods and means for producing NRG3. The native polypeptides of the invention are characterized by containing an extracellular domain including an

EGF-like domain; a transmembrane domain and a cytoplasmic domain. Isolated nucleotide sequences encoding such polypeptides; expression vectors containing the nucleotide sequences, recombinant host cells transformed with the vectors, and methods for the recombinant production for the novel NRG3s are also within the scope of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 82 OF 150 USPATFULL

ACCESSION NUMBER: 2002:157602 USPATFULL

TITLE: Novel polynucleotides from atherogenic cells and polypeptides encoded thereby

INVENTOR(S): Leach, Martin D., Madison, CT, UNITED STATES  
Mehraban, Fuad, Trumbull, CT, UNITED STATES  
Conley, Pamela B., Palo Alto, CA, UNITED STATES  
Topper, James N., Los Altos, CA, UNITED STATES  
Law, Debbie, San Francisco, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002082206	A1	20020627
APPLICATION INFO.:	US 2001-867550	A1	20010530 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-208427P	20000530 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Ivor R. Elrifi, Mintz, Levin, Cohn, Ferris,, Glovsky and Popeo, P.C., One Financial Center, Boston, MA, 02111	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	8166	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides ORFX, a novel isolated polypeptide, as well as a polynucleotide encoding ORFX and antibodies that immunospecifically bind to ORFX or any derivative, variant, mutant, or fragment of the ORFX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the ORFX polypeptide, polynucleotide and antibody are used in detection and treatment of a broad range of pathological states, as well as to others uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 83 OF 150 USPATFULL

ACCESSION NUMBER: 2002:157102 USPATFULL

TITLE: Secreted salivary zsig63 polypeptide

INVENTOR(S): Adler, David A., Bainbridge Island, WA, UNITED STATES  
Sheppard, Paul O., Granite Falls, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002081701	A1	20020627
APPLICATION INFO.:	US 2001-922480	A1	20010803 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-527345, filed on 17 Mar 2000, PATENTED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124820P	19990317 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Jennifer K. Johnson, J.D., Patent Department, ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle,	

WA, 98102  
NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
LINE COUNT: 3127  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to polynucleotide and polypeptide molecules for zsig63, a novel secreted salivary protein. The polypeptides, and polynucleotides encoding them, may exhibit anti-microbial activity and may be used in the study or treatment of microbial infections. The polynucleotides encoding zsig63, are located on chromosome 4, and can be used to identify a region of the genome associated with human **disease** states. The present invention also includes antibodies to the zsig63 polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 84 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:157060 USPATFULL  
TITLE: Nucleic acids, proteins and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002081659	A1	20020627
APPLICATION INFO.:	US 2001-925297	A1	20010810 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US5989, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	20326	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pancreatic related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "pancreatic antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such pancreatic polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the pancreas, including, but not limited to, the presence of pancreatic cancer and pancreatic cancer metastases. More specifically, isolated pancreatic nucleic acid molecules are provided encoding novel pancreatic polypeptides. Novel pancreatic polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human pancreatic polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the pancreas, including pancreatic cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 85 OF 150 USPATFULL



ACCESSION NUMBER: 2002:157008 USPATFULL  
TITLE: Four disulfide core domain-containing (FDCD)  
polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002081607	A1	20020627
APPLICATION INFO.:	US 2001-874062	A1	20010606 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US32462, filed on 29 Nov 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-168229P	19991201 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11572	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human FDCD polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human FDCD polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human FDCD polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 86 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:149306 USPATFULL  
TITLE: ADAM polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002077465	A1	20020620
APPLICATION INFO.:	US 2001-945676	A1	20010905 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US5497, filed on 22 Feb 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-187937P	20000303 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12287	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 87 OF 150 USPATFULL

ACCESSION NUMBER: 2002:149299 USPATFULL

TITLE: Death domain-containing receptor polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002077458	A1	20020620
APPLICATION INFO.:	US 2001-835788	A1	20010417 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US28666, filed on 17 Oct 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-159585P	19991018 (60)
	US 1999-167246P	19991124 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	14143	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human DDCR polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human DDCR polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human DDCR polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 88 OF 150 USPATFULL

ACCESSION NUMBER: 2002:149131 USPATFULL

TITLE: 28 human secreted proteins

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, Zhizhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Tewksbury, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002077287	A1	20020620
APPLICATION INFO.:	US 2001-852659	A1	20010511 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

LINE COUNT: 17779

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 89 OF 150 USPATFULL

ACCESSION NUMBER: 2002:149114 USPATFULL

TITLE: Nucleic acids, proteins, and antibodies

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002077270	A1	20020620	
APPLICATION INFO.:	US 2001-764848	A1	20010117	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-179065P	20000131	(60)
	US 2000-180628P	20000204	(60)
	US 2000-214886P	20000628	(60)
	US 2000-217487P	20000711	(60)
	US 2000-225758P	20000814	(60)
	US 2000-220963P	20000726	(60)
	US 2000-217496P	20000711	(60)
	US 2000-225447P	20000814	(60)
	US 2000-218290P	20000714	(60)
	US 2000-225757P	20000814	(60)
	US 2000-226868P	20000822	(60)
	US 2000-216647P	20000707	(60)
	US 2000-225267P	20000814	(60)
	US 2000-216880P	20000707	(60)
	US 2000-225270P	20000814	(60)
	US 2000-251869P	20001208	(60)
	US 2000-235834P	20000927	(60)
	US 2000-234274P	20000921	(60)
	US 2000-234223P	20000921	(60)
	US 2000-228924P	20000830	(60)
	US 2000-224518P	20000814	(60)
	US 2000-236369P	20000929	(60)
	US 2000-224519P	20000814	(60)
	US 2000-220964P	20000726	(60)
	US 2000-241809P	20001020	(60)
	US 2000-249299P	20001117	(60)
	US 2000-236327P	20000929	(60)
	US 2000-241785P	20001020	(60)
	US 2000-244617P	20001101	(60)
	US 2000-225268P	20000814	(60)
	US 2000-236368P	20000929	(60)
	US 2000-251856P	20001208	(60)
	US 2000-251868P	20001208	(60)
	US 2000-229344P	20000901	(60)

US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 20057

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 90 OF 150 USPATFULL

ACCESSION NUMBER: 2002:148614 USPATFULL  
TITLE: 28 human secreted proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, ZhiZhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Painted Post, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002076756	A1	20020620
APPLICATION INFO.:	US 2001-853161	A1	20010511 (9)

NUMBER	DATE
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PRIORITY INFORMATION: US 2001-265583P 20010202 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
LINE COUNT: 17788

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 91 OF 150 USPATFULL

ACCESSION NUMBER: 2002:148564 USPATFULL  
TITLE: 31 human secreted proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Duan, Roxanne D., Bethesda, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
LaFleur, David W., Washington, DC, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ni, Jian, Rockville, MD, UNITED STATES  
Komatsoulis, George, Silver Spring, MD, UNITED STATES  
Endress, Gregory A., Potomac, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002076705	A1	20020620
APPLICATION INFO.:	US 2001-820893	A1	20010330 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-531119, filed on 20 Mar 2000, ABANDONED Continuation-in-part of Ser. No. WO 1999-US22012, filed on 22 Sep 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-101546P	19980923 (60)
	US 1998-102895P	19981002 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	17043	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 92 OF 150 USPATFULL

ACCESSION NUMBER: 2002:141609 USPATFULL

TITLE: Transferrin polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072596	A1	20020613
APPLICATION INFO.:	US 2001-891126	A1	20010626 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US34769, filed on 21 Dec 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-171595P	19991223 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12048	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human transferrin polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human transferrin polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human transferrin polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 93 OF 150 USPATFULL

ACCESSION NUMBER: 2002:141511 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
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Paoni, Nicholas F., Belmont, CA, UNITED STATES  
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Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Dahiell, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES

PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072497	A1	20020613
APPLICATION INFO.:	US 2001-989727	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
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	WO 1999-US21090	19990915
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	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
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	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108
	WO 2000-US32678	20001201
	WO 2001-US6520	20010228
	WO 2001-US17800	20010601
	WO 2001-US19692	20010620
	WO 2001-US21066	20010629
	WO 2001-US21735	20010709
	US 1997-49787P	19970616 (60)
	US 1997-62250P	19971017 (60)
	US 1997-65186P	19971112 (60)
	US 1997-65311P	19971113 (60)
	US 1997-66770P	19971124 (60)
	US 1998-75945P	19980225 (60)
	US 1998-78910P	19980320 (60)
	US 1998-83322P	19980428 (60)
	US 1998-84600P	19980507 (60)
	US 1998-87106P	19980528 (60)
	US 1998-87607P	19980602 (60)
	US 1998-87609P	19980602 (60)

US 1998-87759P	19980602 (60)
US 1998-87827P	19980603 (60)
US 1998-88021P	19980604 (60)
US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
US 1998-88028P	19980604 (60)
US 1998-88029P	19980604 (60)
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US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS:

118

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

330 Drawing Page(s)

LINE COUNT:

32439

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 94 OF 150 USPATFULL

ACCESSION NUMBER:

2002:141510 USPATFULL

TITLE:

Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S):

Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES



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 Gurney, Austin L., Belmont, CA, UNITED STATES  
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 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
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 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES  
 Zhang, Zemin, Foster City, CA, UNITED STATES  
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072496	A1	20020613
APPLICATION INFO.:	US 2001-989279	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728

WO 2000-US22031	20000811
WO 2000-US23522	20000823
WO 2000-US23328	20000824
WO 2000-US30952	20001108
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-49787P	19970616 (60)
US 1997-62250P	19971017 (60)
US 1997-65186P	19971112 (60)
US 1997-65311P	19971113 (60)
US 1997-66770P	19971124 (60)
US 1998-75945P	19980225 (60)
US 1998-78910P	19980320 (60)
US 1998-83322P	19980428 (60)
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US 1998-88202P	19980605 (60)
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US 1998-88824P	19980610 (60)
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US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
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US 1998-89440P	19980616 (60)
US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE:

FILE SEGMENT:

LEGAL REPRESENTATIVE:

Utility

APPLICATION

Paul E. Rauch, Ph.D., Brinks, Hofer, Gilson & Lione,  
NBC Tower - Suite 3600, 455 N. Cityfront Plaza Drive,  
Chicago, IL, 60611-5599

NUMBER OF CLAIMS:

118

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 330 Drawing Page(s)  
LINE COUNT: 32245

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 95 OF 150 USPATFULL

ACCESSION NUMBER: 2002:141122 USPATFULL  
TITLE: ISOLATION AND COMPOSITION OF A NOVEL GLYCOSIDASE FROM CHRYSEOBACTERIUM  
INVENTOR(S): Landry, David, Essex, MA, UNITED STATES  
PATENT ASSIGNEE(S): New England Biolabs, Inc., Beverly, MA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072104	A1	20020613
	US 6423525	B2	20020723
APPLICATION INFO.:	US 2001-859698	A1	20010517 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-428979, filed on 28 Oct 1999, PENDING Continuation-in-part of Ser. No. US 1995-560809, filed on 21 Nov 1995, GRANTED, Pat. No. US 6300113. Continuation-in-part of Ser. No. US 1996-596250, filed on 24 Jun 1996, GRANTED, Pat. No. US 5770405 Continuation-in-part of Ser. No. WO 1994-US10758, filed on 22 Sep 1994, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NEW ENGLAND BIOLABS, INC., 32 TOZER ROAD, BEVERLY, MA, 01915		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1128		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In accordance with the present invention, there are provided substantially pure glycosidases obtainable from the genus Chryseobacterium. In particular, there is provided a substantially pure exo .alpha.-N-Acetylgalactosaminidase from Chryseobacterium meningosepticum. A method of cloning this enzyme and producing a recombinant form of the enzyme is also provided by the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 96 OF 150 USPATFULL

ACCESSION NUMBER: 2002:141110 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES

Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Hillsborough, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES  
 Zhang, Zemin, Foster City, CA, UNITED STATES  
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072092	A1	20020613
APPLICATION INFO.:	US 2001-989723	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US4414	20000222
	WO 2000-US4914	20000224
	WO 2000-US5004	20000224
	WO 2000-US5841	20000302
	WO 2000-US6319	20000310
	WO 2000-US6884	20000315
	WO 2000-US7377	20000320
	WO 2000-US8439	20000330
	WO 2000-US13358	20000515
	WO 2000-US14042	20000522
	WO 2000-US15264	20000602
	WO 2000-US13705	20000517
	WO 2000-US14941	20000530
	WO 2000-US20710	20000728
	WO 2000-US22031	20000811
	WO 2000-US23522	20000823
	WO 2000-US23328	20000824
	WO 2000-US30952	20001108

WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-49787P	19970616 (60)
US 1997-62250P	19971017 (60)
US 1997-65186P	19971112 (60)
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US 1997-66770P	19971124 (60)
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US 1998-83322P	19980428 (60)
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US 1998-87106P	19980528 (60)
US 1998-87607P	19980602 (60)
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US 1998-87759P	19980602 (60)
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US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
US 1998-88028P	19980604 (60)
US 1998-88029P	19980604 (60)
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US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
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US 1998-88202P	19980605 (60)
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US 1998-88861P	19980611 (60)
US 1998-88876P	19980611 (60)
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US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60610  
NUMBER OF CLAIMS: 118  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 330 Drawing Page(s)  
LINE COUNT: 32634  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic

acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 97 OF 150. USPATFULL

ACCESSION NUMBER: 2002:141085 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072067	A1	20020613
APPLICATION INFO.:	US 2001-989722	A1	20011119 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-941992, filed on 28 Aug 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1997-US20069	19971105
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US21141	19981007
	WO 1998-US25108	19981201
	WO 1999-US106	19990105
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	WO 1999-US21090	19990915
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	WO 1999-US28313	19991130
	WO 1999-US28301	19991201
	WO 1999-US28634	19991201
	WO 1999-US30095	19991216
	WO 1999-US30911	19990220
	WO 2000-US219	20000105

WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US4414	20000222
WO 2000-US4914	20000224
WO 2000-US5004	20000224
WO 2000-US5841	20000302
WO 2000-US6319	20000310
WO 2000-US6884	20000315
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WO 2000-US13358	20000515
WO 2000-US14042	20000522
WO 2000-US15264	20000602
WO 2000-US13705	20000517
WO 2000-US14941	20000530
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WO 2000-US22031	20000811
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WO 2000-US23328	20000824
WO 2000-US30952	20001108
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-49787P	19970616 (60)
US 1997-62250P	19971017 (60)
US 1997-65186P	19971112 (60)
US 1997-65311P	19971113 (60)
US 1997-66770P	19971124 (60)
US 1998-75945P	19980225 (60)
US 1998-78910P	19980320 (60)
US 1998-83322P	19980428 (60)
US 1998-84600P	19980507 (60)
US 1998-87106P	19980528 (60)
US 1998-87607P	19980602 (60)
US 1998-87609P	19980602 (60)
US 1998-87759P	19980602 (60)
US 1998-87827P	19980603 (60)
US 1998-88021P	19980604 (60)
US 1998-88025P	19980604 (60)
US 1998-88026P	19980604 (60)
US 1998-88028P	19980604 (60)
US 1998-88029P	19980604 (60)
US 1998-88030P	19980604 (60)
US 1998-88033P	19980604 (60)
US 1998-88326P	19980604 (60)
US 1998-88167P	19980605 (60)
US 1998-88202P	19980605 (60)
US 1998-88212P	19980605 (60)
US 1998-88217P	19980605 (60)
US 1998-88655P	19980609 (60)
US 1998-88734P	19980610 (60)
US 1998-88738P	19980610 (60)
US 1998-88742P	19980610 (60)
US 1998-88810P	19980610 (60)
US 1998-88824P	19980610 (60)
US 1998-88826P	19980610 (60)
US 1998-88858P	19980611 (60)
US 1998-88861P	19980611 (60)
US 1998-88876P	19980611 (60)
US 1998-89105P	19980612 (60)
US 1998-89440P	19980616 (60)

US 1998-89512P	19980616 (60)
US 1998-89514P	19980616 (60)
US 1998-89532P	19980617 (60)
US 1998-89538P	19980617 (60)
US 1998-89598P	19980617 (60)
US 1998-89599P	19980617 (60)
US 1998-89600P	19980617 (60)
US 1998-89653P	19980617 (60)
US 1998-89801P	19980618 (60)
US 1998-89907P	19980618 (60)
US 1998-89908P	19980618 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: BRINKS HOFER GILSON & LIONE, P.O. BOX 10395, CHICAGO, IL, 60610  
NUMBER OF CLAIMS: 118  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 330 Drawing Page(s)  
LINE COUNT: 32345

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 98 OF 150 USPATFULL

ACCESSION NUMBER: 2002:133469 USPATFULL  
TITLE: Serine protease polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002068320	A1	20020606
APPLICATION INFO.:	US 2001-804156	A1	20010313 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-189025P	20000314 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	13119	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human serine protease polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human serine protease polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human serine protease polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 99 OF 150 USPATFULL



ACCESSION NUMBER: 2002:133468 USPATFULL  
 TITLE: 32 human secreted proteins  
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Birse, Charles E., North Potomac, MD, UNITED STATES  
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
 Fiscella, Michele, Bethesda, MD, UNITED STATES  
 Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
 LaFleur, David W., Washington, DC, UNITED STATES  
 Moore, Paul A., Germantown, MD, UNITED STATES  
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
 Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Soppet, Daniel R., Centreville, VA, UNITED STATES  
 Young, Paul E., Gaithersburg, MD, UNITED STATES  
 Wei, Ping, Brookeville, MD, UNITED STATES  
 Florence, Kimberly A., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002068319	A1	20020606
APPLICATION INFO.:	US 2001-800729	A1	20010308 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US26013, filed on 22 Sep 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-155709P	19990924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	22 Drawing Page(s)	
LINE COUNT:	36956	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 100 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:126876 USPATFULL  
 TITLE: Secreted proteins and polynucleotides encoding them  
 INVENTOR(S): Jacobs, Kenneth, Newton, MA, UNITED STATES  
 McCoy, John M., Reading, MA, UNITED STATES  
 LaVallie, Edward R., Harvard, MA, UNITED STATES  
 Collins-Racie, Lisa A., Acton, MA, UNITED STATES  
 Evans, Cheryl, Germantown, MD, UNITED STATES  
 Merberg, David, Acton, MA, UNITED STATES  
 Treacy, Maurice, Dun Laoghaire, IRELAND  
 Spaulding, Vikki, Lowell, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002065394	A1	20020530
APPLICATION INFO.:	US 2000-745763	A1	20001222 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-40963, filed  
on 18 Mar 1998, UNKNOWN  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: LAHIVE & COCKFIELD, 28 STATE STREET, BOSTON, MA, 02109  
NUMBER OF CLAIMS: 264  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 17713  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Novel polynucleotides and the proteins encoded thereby are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 101 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:126703 USPATFULL  
TITLE: Immunoglobulin superfamily polynucleotides,  
polypeptides, and antibodies  
INVENTOR(S): Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ni, Jain, Rockville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002065220	A1	20020530
APPLICATION INFO.:	US 2001-799514	A1	20010307 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US23662, filed on 29 Aug 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-152248P	19990903 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12437	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The present invention relates to novel human Ig-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human Ig-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human Ig-like polypeptides.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 102 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:126332 USPATFULL  
TITLE: Human protein tyrosine phosphatase polynucleotides,  
polypeptides, and antibodies  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002064844	A1	20020530
APPLICATION INFO.:	US 2001-906779	A1	20010718 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US1563, filed on 17 Jan 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-176306P	20000118 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12129	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The present invention relates to novel human PTPase polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human PTPase polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human PTPase polypeptides.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 103 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:126314 USPATFULL  
 TITLE: Cytokine receptor-like polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
 Ni, Jian, Germantown, MD, UNITED STATES  
 Young, Paul E., Gaithersburg, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002064826	A1	20020530
APPLICATION INFO.:	US 2001-874069	A1	20010606 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US32525, filed on 30 Nov 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-168621P	19991203 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12089	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The present invention relates to novel human cytokine receptor-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human cytokine receptor-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human cytokine receptor-like polypeptides.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 104 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:126306 USPATFULL  
 TITLE: 52 human secreted proteins  
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Birse, Charles E., North Potomac, MD, UNITED STATES  
 Fiscella, Michele, Bethesda, MD, UNITED STATES

Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
 Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Soppet, Daniel R., Centreville, VA, UNITED STATES  
 Young, Paul E., Gaithersburg, MD, UNITED STATES  
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
 Duan, D. Roxanne, Bethesda, MD, UNITED STATES  
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
 LaFleur, David W., Washington, DC, UNITED STATES  
 Moore, Paul A., Germantown, MD, UNITED STATES  
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
 Wei, Ping, Brookeville, MD, UNITED STATES  
 Florence, Kimberly A., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002064818	A1	20020530
APPLICATION INFO.:	US 2001-789561	A1	20010222 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US24008, filed on 31 Aug 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-152317P	19990903 (60)
	US 1999-152315P	19990903 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	24623	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 105 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:119538 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002061521	A1	20020523
APPLICATION INFO.:	US 2001-764869	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	

LINE COUNT: 27967

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel cardiovascular system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cardiovascular system antigens," and the use of such cardiovascular system antigens for detecting disorders of the cardiovascular system, particularly the presence of cancer of cardiovascular system tissues and cancer metastases. More specifically, isolated cardiovascular system associated nucleic acid molecules are provided encoding novel cardiovascular system associated polypeptides. Novel cardiovascular system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human cardiovascular system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the cardiovascular system, including cancer of cardiovascular system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 106 OF 150 USPATFULL

ACCESSION NUMBER: 2002:116027 USPATFULL

TITLE: Human chemokine beta-10 mutant polypeptides

INVENTOR(S): Olsen, Henrik S., Gaithersburg, MD, United States

Li, Haodong, Gaithersburg, MD, United States

Adams, Mark D., North Potomac, MD, United States

Gentz, Solange H. L., Rockville, MD, United States

Alderson, Ralph, Gaithersburg, MD, United States

Li, Yuling, Germantown, MD, United States

Parmelee, David, Rockville, MD, United States

White, John R., Coatsville, PA, United States

Appelbaum, Edward R., Blue Bell, PA, United States

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

SmithKline Beecham, Corp., King of Prussia, PA, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 6391589	B1	20020521
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APPLICATION INFO.:	US 2000-479729		20000107 (9)
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RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-462967, filed on 5 Jun 1995, now abandoned Continuation-in-part of Ser. No. US 1995-458355, filed on 2 Jun 1995, now patented, Pat. No. US 5981230 Continuation-in-part of Ser. No. WO 1994-US9484, filed on 23 Aug 1994

NUMBER	DATE
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PRIORITY INFORMATION:	US 1999-115439P	19990108 (60)
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DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Mertz, Prema

LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.

NUMBER OF CLAIMS: 50

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 21 Drawing Figure(s); 14 Drawing Page(s)

LINE COUNT: 11904

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Human chemokine Beta-10 polypeptides and DNA (RNA) encoding such chemokine polypeptides and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemokine polypeptides for the treatment of leukemia, tumors, chronic infections, autoimmune **disease**, fibrotic disorders, wound healing and psoriasis. Antagonists against such chemokine polypeptides and their use as a therapeutic to treat rheumatoid arthritis, autoimmune and chronic inflammatory and infective **diseases**, allergic reactions, prostaglandin-independent fever and bone marrow-failure are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 107 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:106416 USPATFULL  
TITLE: Nucleic acids, proteins and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002055627	A1	20020509
APPLICATION INFO.:	US 2001-925299	A1	20010810 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-US5883, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	20658	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel colorectal cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "colorectal cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such colorectal cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the colon and/or rectum, including, but not limited to, the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer nucleic acid molecules are provided encoding novel colorectal cancer polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 108 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:105937 USPATFULL  
TITLE: Major intrinsic protein (MIP)-like polynucleotides,

INVENTOR(S): polypeptides, and antibodies  
Ruben, Steven A., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002055142	A1	20020509
APPLICATION INFO.:	US 2001-862419	A1	20010523 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US31919, filed on 21 Nov 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-167247P	19991124 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11747	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human MIP-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human MIP-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human MIP-like polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 109 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:99407 USPATFULL  
TITLE: Nucleic acids, proteins and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002052308	A1	20020502
APPLICATION INFO.:	US 2001-925301	A1	20010810 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	30577	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and treatment of tissue specific disorders, particularly the presense of cancer. This invention relates

to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and/or function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 110 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:99088 USPATFULL  
 TITLE: Kringle domain-containing polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
 Moore, Paul A., Germantown, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002051984	A1	20020502
APPLICATION INFO.:	US 2001-848288	A1	20010504 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US30664, filed on 8 Nov 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-164853P	19991112 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12041	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human KDC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human KDC polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human KDC polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 111 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:85190 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Rubin, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045230	A1	20020418
APPLICATION INFO.:	US 2001-908711	A1	20010720 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2001-US1360, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764867, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1344, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.		



No. US 2001-764892, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1345, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764888, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1329, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764905, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. US 2001-764891, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. WO 2001-US1339, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. US 2001-764869, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. WO 2001-US1340, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. US 2001-764874, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. WO 2001-US1334, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. US 2001-764898, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. WO 2001-US1320, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. US 2001-764853, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764902, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1239, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764870, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1348, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764882, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1347, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764896, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1307, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764864, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1341, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764856, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1336, filed  
on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.  
No. US 2001-764868, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1312, filed  
on 17 Jan 2001, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-251868P	20001208 (60)
	US 2000-232398P	20000914 (60)
	US 2000-249300P	20001117 (60)
	US 2000-251990P	20001208 (60)
	US 2000-250160P	20001201 (60)
	US 2000-209467P	20000607 (60)
	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)

US 2000-232397P	20000914 (60)
US 2000-232399P	20000914 (60)
US 2000-232401P	20000914 (60)
US 2000-241808P	20001020 (60)
US 2000-241826P	20001020 (60)
US 2000-241786P	20001020 (60)
US 2000-241221P	20001020 (60)
US 2000-246475P	20001108 (60)
US 2000-231243P	20000908 (60)
US 2000-233065P	20000914 (60)
US 2000-232398P	20000914 (60)
US 2000-234998P	20000925 (60)
US 2000-246477P	20001108 (60)
US 2000-246528P	20001108 (60)
US 2000-246525P	20001108 (60)
US 2000-246476P	20001108 (60)
US 2000-246526P	20001108 (60)
US 2000-249209P	20001117 (60)
US 2000-246527P	20001108 (60)
US 2000-246523P	20001108 (60)
US 2000-246524P	20001108 (60)
US 2000-246478P	20001108 (60)
US 2000-246609P	20001108 (60)
US 2000-246613P	20001108 (60)
US 2000-249300P	20001117 (60)
US 2000-249265P	20001117 (60)
US 2000-246610P	20001108 (60)
US 2000-246611P	20001108 (60)
US 2000-230437P	20000906 (60)
US 2000-251990P	20001208 (60)
US 2000-251988P	20001205 (60)
US 2000-251030P	20001205 (60)
US 2000-251479P	20001206 (60)
US 2000-256719P	20001205 (60)
US 2000-250160P	20001201 (60)
US 2000-251989P	20001208 (60)
US 2000-250391P	20001201 (60)
US 2000-254097P	20001211 (60)
US 2000-231968P	20000912 (60)
US 2000-226279P	20000818 (60)
US 2000-186350P	20000302 (60)
US 2000-184664P	20000224 (60)
US 2000-189874P	20000316 (60)
US 2000-198123P	20000418 (60)
US 2000-227009P	20000823 (60)
US 2000-235484P	20000926 (60)
US 2000-190076P	20000317 (60)
US 2000-209467P	20000607 (60)
US 2000-205515P	20000519 (60)
US 2001-259678P	20010105 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 24462

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel ovarian related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "ovarian antigens," and the use of such ovarian antigens for detecting disorders of the ovaries and/or breast, particularly the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian associated nucleic acid molecules are provided encoding novel ovarian

associated polypeptides. Novel ovarian polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 112 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:84948 USPATFULL  
TITLE: **Nutritional** composition and method for improving protein deposition  
INVENTOR(S): Fuchs, Eileen C., Gaylordsville, CT, UNITED STATES  
Garcia-Rodenas, Clara L., Forel, SWITZERLAND  
Guigoz, Yves, Epalinges, SWITZERLAND  
Leathwood, Peter, Blonay, SWITZERLAND  
Reiffers-Magnani, Kristel, La Tour-de-Peilz, SWITZERLAND  
Mallangi, Chandrasekhara R., New Milford, CT, UNITED STATES  
Turini, Marco, Epalinges, SWITZERLAND  
Anantharaman, Helen Gillian, Bridgewater, CT, UNITED STATES  
Beaufriere, Bernard, Chamalieres, FRANCE  
Dangin, Martial, Clermont-Ferrand, FRANCE  
Ballevre, Olivier, Lausanne, SWITZERLAND

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002044988	A1	20020418
APPLICATION INFO.:	US 2001-821498	A1	20010329 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-227117P	20000822 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Bell, Boyd & Lloyd LLC, P.O. Box 1135, Chicago, IL, 60690-1135	
NUMBER OF CLAIMS:	36	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	864	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods that stimulate body protein synthesis and can improve muscle mass maintenance and recovery are provided. The composition comprises (i) a protein source which provides at least about 8% total calories of the composition and which includes at least about 50% by weight of whey protein; (ii) a lipid source having an omega 3:6 fatty acid ratio of about 5:1 to about 10:1 and which provides at least about 18% total calories of the composition; (iii) a carbohydrate source; and (iv) a balanced macronutrient profile comprising at least vitamin E and vitamin C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 113 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:84918 USPATFULL

TITLE: **Nutritional composition**  
 INVENTOR(S): Fuchs, Eileen C., Gaylordsville, CT, UNITED STATES  
 Garcia-Rodenas, Clara L., Forel, SWITZERLAND  
 Guigoz, Yves, Epalinges, SWITZERLAND  
 Leathwood, Peter, Blonay, SWITZERLAND  
 Reiffers-Magnani, Kristel, La Tour-de-Peilz, SWITZERLAND  
 Mallangi, Chandrasekhara R., New Milford, CT, UNITED STATES  
 Turini, Marco, Epalinges, SWITZERLAND  
 Anantharaman, Helen Gillian, Bridgewater, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002044957	A1	20020418
APPLICATION INFO.:	US 2001-821499	A1	20010329 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-227117P	20000822 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Bell, Boyd & Lloyd LLC, P.O. Box 1135, Chicago, IL, 60690-1135	
NUMBER OF CLAIMS:	40	
EXEMPLARY CLAIM:	1	
LINE COUNT:	709	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition for a **nutritional** supplement for convalescing patients recovering from illness or surgery, those with limited appetite such as the elderly, children or anorexic patients, or those who have impaired ability to digest other sources of protein such as persons having chronic gastritis who have a reduced gastric pepsin digestion. The supplement comprises: (i) a protein source which provides at least about 8% total calories of the composition and which includes at least about 50% by weight whey protein; (ii) a lipid source having an omega 3:6 fatty acid ratio of about 5:1 to about 10:1 and which provides at least about 18% total calories of the composition; (iii) a carbohydrate source; and (iv) a balanced macronutrient profile comprising at least vitamin E and vitamin C. The supplement has reduced capacity to induce satiety. Also disclosed are a method of production of the composition; use of the composition in the manufacture of a functional food or medicament; and a method of treatment which comprises administering an effective amount of the composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 114 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:84902 USPATFULL  
 TITLE: Nucleic acids, proteins and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002044941	A1	20020418
APPLICATION INFO.:	US 2001-925302	A1	20010810 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US5918, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
LINE COUNT: 21121  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel lung cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "lung cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such lung cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the lung, including, but not limited to, the presence of lung cancer and lung cancer metastases. More specifically, isolated lung cancer nucleic acid molecules are provided encoding novel lung cancer polypeptides. Novel lung cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lung cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 115 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:81254 USPATFULL  
TITLE: Tissue plasminogen activator-like protease  
INVENTOR(S): Moore, Paul A., Germantown, MD, United States  
Ruben, Steven M., Olney, MD, United States  
Ebner, Reinhard, Gaithersburg, MD, United States  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6372473	B1	20020416
APPLICATION INFO.:	US 1999-411977		19991004 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-84491, filed on 27 May 1998		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-48000P	19970528 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Slobodyansky, Elizabeth	
LEGAL REPRESENTATIVE:	Human Genome Sciences, Inc.	
NUMBER OF CLAIMS:	77	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 8 Drawing Page(s)	
LINE COUNT:	11319	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel t-PALP protein which is a member of the serine protease family. In particular, isolated nucleic acid molecules are provided encoding the human t-PALP protein. t-PALP polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of

t-PALP activity. Also provided are diagnostic methods for detecting circulatory system-related disorders and therapeutic methods for treating circulatory system-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 116 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:78729 USPATFULL  
TITLE: Nucleic acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002042386	A1	20020411
APPLICATION INFO.:	US 2001-764870	A1	20010117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-180628P	20000204 (60)
	US 2000-214886P	20000628 (60)
	US 2000-217487P	20000711 (60)
	US 2000-225758P	20000814 (60)
	US 2000-220963P	20000726 (60)
	US 2000-217496P	20000711 (60)
	US 2000-225447P	20000814 (60)
	US 2000-218290P	20000714 (60)
	US 2000-225757P	20000814 (60)
	US 2000-226868P	20000822 (60)
	US 2000-216647P	20000707 (60)
	US 2000-225267P	20000814 (60)
	US 2000-216880P	20000707 (60)
	US 2000-225270P	20000814 (60)
	US 2000-251869P	20001208 (60)
	US 2000-235834P	20000927 (60)
	US 2000-234274P	20000921 (60)
	US 2000-234223P	20000921 (60)
	US 2000-228924P	20000830 (60)
	US 2000-224518P	20000814 (60)
	US 2000-236369P	20000929 (60)
	US 2000-224519P	20000814 (60)
	US 2000-220964P	20000726 (60)
	US 2000-241809P	20001020 (60)
	US 2000-249299P	20001117 (60)
	US 2000-236327P	20000929 (60)
	US 2000-241785P	20001020 (60)
	US 2000-244617P	20001101 (60)
	US 2000-225268P	20000814 (60)
	US 2000-236368P	20000929 (60)
	US 2000-251856P	20001208 (60)
	US 2000-251868P	20001208 (60)
	US 2000-229344P	20000901 (60)
	US 2000-234997P	20000925 (60)
	US 2000-229343P	20000901 (60)
	US 2000-229345P	20000901 (60)
	US 2000-229287P	20000901 (60)
	US 2000-229513P	20000905 (60)
	US 2000-231413P	20000908 (60)
	US 2000-229509P	20000905 (60)
	US 2000-236367P	20000929 (60)
	US 2000-237039P	20001002 (60)
	US 2000-237038P	20001002 (60)
	US 2000-236370P	20000929 (60)

US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 23133

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 117 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:78715 USPATFULL  
TITLE: Stanniocalcin polynucleotides, polypeptides, and methods based thereon  
INVENTOR(S): Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Zhang, Ke-Zhou, Brussels, BELGIUM  
Lindsberg, Perttu, Helsinki, FINLAND  
Tatlisumak, Turgut, Helsinki, FINLAND  
Kaste, Markku, Vantaa, FINLAND  
Andersson, Leif C., Helsinki, FINLAND  
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002042372	A1	20020411
APPLICATION INFO.:	US 2001-840989	A1	20010425 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US29432, filed on 26 Oct 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-161740P	19991027 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	47	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Page(s)	
LINE COUNT:	9559	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to human stanniocalcin (STC) polynucleotides, polypeptides, and other Stanniocalcin compositions and to novel methods based thereon. In a specific embodiment, the Stanniocalcin compositions of the invention are used to treat or protect

neural cells. Moreover, the present invention relates to vectors, host cells, antibodies, and recombinant and synthetic methods for producing the Stanniocalcin compositions of the invention. Also provided are diagnostic methods for detecting or prognosing **diseases**, disorders, damage or injury, associated with alterations of the Stanniocalcin compositions of the invention, and to therapeutic methods for treating such **diseases**, disorders, damage or injury.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 118 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:78442 USPATFULL  
 TITLE: Nucleic acids, proteins, and antibodies  
 INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
 Ruben, Steven M., Olney, MD, UNITED STATES  
 Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002042096	A1	20020411	
APPLICATION INFO.:	US 2001-764887	A1	20010117	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-179065P	20000131	(60)
	US 2000-180628P	20000204	(60)
	US 2000-214886P	20000628	(60)
	US 2000-217487P	20000711	(60)
	US 2000-225758P	20000814	(60)
	US 2000-220963P	20000726	(60)
	US 2000-217496P	20000711	(60)
	US 2000-225447P	20000814	(60)
	US 2000-218290P	20000714	(60)
	US 2000-225757P	20000814	(60)
	US 2000-226868P	20000822	(60)
	US 2000-216647P	20000707	(60)
	US 2000-225267P	20000814	(60)
	US 2000-216880P	20000707	(60)
	US 2000-225270P	20000814	(60)
	US 2000-251869P	20001208	(60)
	US 2000-235834P	20000927	(60)
	US 2000-234274P	20000921	(60)
	US 2000-234223P	20000921	(60)
	US 2000-228924P	20000830	(60)
	US 2000-224518P	20000814	(60)
	US 2000-236369P	20000929	(60)
	US 2000-224519P	20000814	(60)
	US 2000-220964P	20000726	(60)
	US 2000-241809P	20001020	(60)
	US 2000-249299P	20001117	(60)
	US 2000-236327P	20000929	(60)
	US 2000-241785P	20001020	(60)
	US 2000-244617P	20001101	(60)
	US 2000-225268P	20000814	(60)
	US 2000-236368P	20000929	(60)
	US 2000-251856P	20001208	(60)
	US 2000-251868P	20001208	(60)
	US 2000-229344P	20000901	(60)
	US 2000-234997P	20000925	(60)
	US 2000-229343P	20000901	(60)
	US 2000-229345P	20000901	(60)
	US 2000-229287P	20000901	(60)
	US 2000-229513P	20000905	(60)
	US 2000-231413P	20000908	(60)
	US 2000-229509P	20000905	(60)



US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 19583

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel liver related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "liver antigens," and the use of such liver antigens for detecting disorders of the liver, particularly the presence of cancer of liver and cancer metastases. More specifically, isolated liver associated nucleic acid molecules are provided encoding novel liver associated polypeptides. Novel liver polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human liver associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the liver, including cancer of liver tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 119 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:72627 USPATFULL  
TITLE: Nucleic, acids, proteins, and antibodies  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002039764	A1	20020404
APPLICATION INFO.:	US 2001-925298	A1	20010810 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US5881, filed on 8 Mar 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124270P	19990312 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	20087	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or

breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast, including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast nucleic acid molecules are provided encoding novel ovarian and/or breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 120 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:66896 USPATFULL  
 TITLE: ABC transport polynucleotides, polypeptides, and antibodies  
 INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
 Ni, Jian, Germantown, MD, UNITED STATES  
 Moore, Paul A., Germantown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002037549	A1	20020328
APPLICATION INFO.:	US 2001-767870	A1	20010124 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US19736, filed on 20 Jul 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-145215P	19990723 (60)
	US 1999-149445P	19990818 (60)
	US 1999-164730P	19991112 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12219	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ABC transport polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ABC transport polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ABC transport polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 121 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:66870 USPATFULL  
 TITLE: IL-6-like polynucleotides, polypeptides, and antibodies

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002037523	A1	20020328
APPLICATION INFO.:	US 2001-875016	A1	20010607 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US33134, filed on 7 Dec 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-169838P	19991209 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11587	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human IL-6-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human IL-6-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human IL-6-like polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 122 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:57584 USPATFULL  
TITLE: Isolation and composition of novel glycosidases  
INVENTOR(S): Wong-Madden, Sharon T., Bellevue, WA, United States  
Guthrie, Ellen P., Andover, MA, United States  
Landry, David, Essex, MA, United States  
Taron, Christopher H., Champaign, IL, United States  
Guan, Chudi, Wenham, MA, United States  
Robbins, Phillips W., Acton, MA, United States  
PATENT ASSIGNEE(S): New England Biolabs, Inc., Beverly, MA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6358724	B1	20020319
APPLICATION INFO.:	US 2001-883800		20010618 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-596250, filed on 24 Jun 1996, now patented, Pat. No. US 5770405, issued on 23 Jun 1998 Division of Ser. No. US 560809, now patented, Pat. No. US 6300113, issued on 9 Oct 2001 Continuation-in-part of Ser. No. US 1993-126174, filed on 23 Sep 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Achutamurthy, Ponnathapu		
ASSISTANT EXAMINER:	Fronza, Christian L.		
LEGAL REPRESENTATIVE:	Williams, Gregory D.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 17 Drawing Page(s)		
LINE COUNT:	2634		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Substantially pure glycosidases capable for cleaving selected glycosidic bonds have been described including glycosidases isolated from

Xanthomonas and recombinant glycosidases. Substrate specificity of isolated enzymes have been identified for GlcNac.beta.1-X, Gal.alpha.1-3R, Gal.alpha.1-6R, Gal.beta.1-3R, Fuc.alpha.-2R, Fuc.alpha.1-3R, Fuc.alpha.1-4R, Man.alpha.1-2R, Man.alpha.1-3R, Man.alpha.1-6R, Man.beta.1-4R, Xyl.beta.1-2R, Glc.beta.1-4R, and Gal.beta.1-4R providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 123 OF 150 USPATFULL

ACCESSION NUMBER: 2002:55159 USPATFULL

TITLE: STREPTOCOCCUS PNEUMONIAE POLYNUCLEOTIDES AND SEQUENCES

INVENTOR(S): KUNSCH, CHARLES A., GAITHERSBURG, MD, UNITED STATES

CHOI, GIL H., ROCKVILLE, MD, UNITED STATES

DILLON, PATRICK J., CARLSBAD, CA, UNITED STATES

ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES

BARASH, STEVEN C., ROCKVILLE, MD, UNITED STATES

FANNON, MICHAEL R., SILVER SPRING, MD, UNITED STATES

DOUGHERTY, BRIAN A., MT. AIRY, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002032323	A1	20020314
	US 6420135	B2	20020716
APPLICATION INFO.:	US 1997-961527	A1	19971030 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-29960P	19961031 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	7752	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide sequences of the genome of Streptococcus pneumoniae, polypeptide sequences encoded by the polynucleotide sequences, corresponding polynucleotides and polypeptides, vectors and hosts comprising the polynucleotides, and assays and other uses thereof. The present invention further provides polynucleotide and polypeptide sequence information stored on computer readable media, and computer-based systems and methods which facilitate its use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 124 OF 150 USPATFULL

ACCESSION NUMBER: 2002:48258 USPATFULL

TITLE: 26 Human secreted proteins

INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES

Birse, Charles E., North Potomac, MD, UNITED STATES

Duan, Roxanne D., Bethesda, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

LaFleur, David W., Washington, DC, UNITED STATES

Olsen, Henrik, Gaithersburg, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Florence, Kimberly A., Rockville, MD, UNITED STATES

Ni, Jian, Rockville, MD, UNITED STATES

Young, Paul, Gaithersburg, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002028449	A1	20020307
APPLICATION INFO.:	US 2000-726643	A1	20001201 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US15187, filed on 2 Jun 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-137725P	19990607 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	20287	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 125 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:43671 USPATFULL  
TITLE: 49 human secreted proteins  
INVENTOR(S): Moore, Paul A., Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Florence, Kimberly A., Rockville, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
LaFleur, David W., Washington, DC, UNITED STATES  
Endress, Gregory A., Potomac, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Komatsoulis, George, Silver Spring, MD, UNITED STATES  
Duan, Roxanne D., Bethesda, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002026040	A1	20020228
APPLICATION INFO.:	US 2001-904615	A1	20010716 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-739254, filed on 19 Dec 2000, PENDING Continuation of Ser. No. US 2000-511554, filed on 23 Feb 2000, ABANDONED Continuation-in-part of Ser. No. WO 1999-US19330, filed on 24 Aug 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-97917P	19980825 (60)
	US 1998-98634P	19980831 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	

NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
LINE COUNT: 19401

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 126 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:43187 USPATFULL  
TITLE: Transforming growth factor alpha HIII  
INVENTOR(S): Wei, Ying-Fei, Berkeley, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002025553	A1	20020228
APPLICATION INFO.:	US 2000-726348	A1	20001201 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-778545, filed on 3 Jan 1997, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-11136P	19960104 (60)
	US 1999-168387P	19991202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	11810	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel human protein called Transforming Growth Factor Alpha III, and isolated polynucleotides encoding this protein. Also provided are vectors, host cells, antibodies, and recombinant methods for producing this human protein. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to this novel human protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 127 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:22131 USPATFULL  
TITLE: 18 Human secreted proteins  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002012966	A1	20020131
APPLICATION INFO.:	US 2001-768826	A1	20010125 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US22350, filed on 15 Aug 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-148759P	19990816 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	18157	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating **diseases**, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 128 OF 150 USPATFULL  
 ACCESSION NUMBER: 2002:19189 USPATFULL  
 TITLE: Isolation and composition of novel glycosidases  
 INVENTOR(S): Wong-Madden, Sharon T., Bellevue, WA, United States  
 Guthrie, Ellen P., Andover, MA, United States  
 Landry, David, Essex, MA, United States  
 Taron, Christopher H., Champaign, IL, United States  
 Guan, Chudi, Wenham, MA, United States  
 Robbins, Phillips W., Acton, MA, United States  
 PATENT ASSIGNEE(S): New England Biolabs, Inc., Beverly, MA, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6342365	B1	20020129
APPLICATION INFO.:	US 1999-257153		19990224 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-560809, filed on 21 Nov 1995 Continuation-in-part of Ser. No. US 596250, now patented, Pat. No. US 5770405, issued on 23 Jun 1998 Continuation-in-part of Ser. No. US 1993-126174, filed on 23 Sep 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Prouty, Rebecca E.		
ASSISTANT EXAMINER:	Rao, Manjunath N.		
LEGAL REPRESENTATIVE:	Williams, Gregory D.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 17 Drawing Page(s)		
LINE COUNT:	2650		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Substantially pure glycosidases capable for cleaving selected glycosidic bonds have been described including glycosidases isolated from Xanthomonas and recombinant glycosidases. Substrate specificity of isolated enzymes have been identified for GlcNac.beta.1-X, Gal.alpha.1-3R, Gal.alpha.1-6R, Gal.beta.1-3R, Fuc.alpha.1-2R, Fuc.alpha.1-3R, Fuc.alpha.1-4R, Man.alpha.1-2R, Man.alpha.1-3R, Man.alpha.1-6R, Man.beta.1-4R, Xyl.beta.1-2R, Glc.beta.1-4R, and Gal.beta.1-4R providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 129 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:12261 USPATFULL  
TITLE: Uteroglobin-like polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002006640	A1	20020117
APPLICATION INFO.:	US 2001-846258	A1	20010502 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US30326, filed on 3 Nov 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-163395P	19991104 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12076	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human uteroglobin-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human uteroglobin-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human uteroglobin-like polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 130 OF 150 USPATFULL  
ACCESSION NUMBER: 2002:8489 USPATFULL  
TITLE: Retinoid receptor interacting polynucleotides, polypeptides, and antibodies  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002004489	A1	20020110
APPLICATION INFO.:	US 2001-788600	A1	20010221 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US22351, filed on 15 Aug 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-148757P	19990816 (60)
	US 2000-189026P	20000314 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	11257	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human RIP polypeptides and isolated nucleic acids containing the coding regions of the genes



encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human RIP polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human RIP polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 131 OF 150 USPATFULL  
ACCESSION NUMBER: 2001:231160 USPATFULL  
TITLE: Secreted salivary ZSIG63 Polypeptide  
INVENTOR(S): Adler, David A., Bainbridge Island, WA, United States  
Sheppard, Paul O., Granite Falls, WA, United States  
PATENT ASSIGNEE(S): ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6331413	B1	20011218
APPLICATION INFO.:	US 2000-527345		20000317 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-124820P	19990317 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Prouty, Rebecca E.	
ASSISTANT EXAMINER:	Monshipouri, Maryam	
LEGAL REPRESENTATIVE:	Johnson, JD, Jennifer K.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2896	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to polynucleotide and polypeptide molecules for zsig63, a novel secreted salivary protein. The polypeptides, and polynucleotides encoding them, may exhibit anti-microbial activity and may be used in the study or treatment of microbial infections. The polynucleotides encoding zsig63, are located on chromosome 4, and can be used to identify a region of the genome associated with human **disease** states. The present invention also includes antibodies to the zsig63 polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 132 OF 150 USPATFULL  
ACCESSION NUMBER: 2001:208652 USPATFULL  
TITLE: Methods for detecting and/or identifying agents which bind and/or modulate function of "bonzo" chemokine receptor  
INVENTOR(S): Briskin, Michael J., Lexington, MA, United States  
Murphy, Kristine E., Wakefield, MA, United States  
Wilbanks, Alyson M., Cambridge, MA, United States  
Wu, Lijun, Reading, MA, United States  
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6319675	B1	20011120
APPLICATION INFO.:	US 1999-449437		19991124 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Gambel, Phillip		
ASSISTANT EXAMINER:	Roark, Jessica H.		
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.		

NUMBER OF CLAIMS: 58  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 100 Drawing Figure(s); 40 Drawing Page(s)  
LINE COUNT: 3049

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method of detecting and/or identifying agents (molecules, compounds) which can bind to Bonzo and inhibit the binding of a ligand and/or modulate a function of Bonzo.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 133 OF 150 USPATFULL  
ACCESSION NUMBER: 2001:182564 USPATFULL  
TITLE: Method for maintaining or improving the synthesis of **mucins**  
INVENTOR(S): Ballevre, Olivier, Lausanne, Switzerland  
Finot, Paul-Andre, St. Legier, Switzerland  
Breuille, Denis, Saint-Saturnin, France

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001031723	A1	20011018
APPLICATION INFO.:	US 2001-774814	A1	20010130 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-498905, filed on 4 Feb 2000, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Robert M. Barrett, Esq., Bell, Boyd & Lloyd LLC, P.O. Box 1135, Chicago, IL, 60690-1135		
NUMBER OF CLAIMS:	49		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	710		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for maintaining, improving or increasing the synthesis of **mucins** by administering a **nutritional** composition or supplement that contains a therapeutically effective amount of **threonine** are provided. The present invention further provides methods for treating a variety of **disease** states characterized by alterations to the **mucin** levels, such as, intestinal inflammatory and bacterial infections or other like **disease** states.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 134 OF 150 USPATFULL  
ACCESSION NUMBER: 2001:173374 USPATFULL  
TITLE: Isolation and composition of novel glycosidases  
INVENTOR(S): Landry, David, Essex, MA, United States  
PATENT ASSIGNEE(S): New England Biolabs Inc., Beverly, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6300113	B1	20011009
APPLICATION INFO.:	US 1995-560809		19951121 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 596250, now patented, Pat. No. US 5770405		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Nashed, Nashaat T.		
ASSISTANT EXAMINER:	Frona, Christian L.		
LEGAL REPRESENTATIVE:	Williams, Gregory D., Cullem, James Gregory		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		

NUMBER OF DRAWINGS: 17 Drawing Figure(s); 17 Drawing Page(s)

LINE COUNT: 2658

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Substantially pure glycosidases capable for cleaving selected glycosidic bonds have been described including glycosidases isolated from Xanthomonas and recombinant glycosidases. Substrate specificity of isolated enzymes have been identified for GlcNac.beta.1-X, Gal.alpha.1-3R, Gal.alpha.1-6R, Gal.beta.1-3R, Fuc.alpha.-2R, Fuc.alpha.1-3R, Fuc.alpha.1-4R, Man.alpha.1-2R, Man.alpha.1-3R, Man.alpha.1-6R, Man.beta.1-4R, Xyl.beta.1-2R, Glc.beta.1-4R, and Gal.beta.1-4R providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 135 OF 150 USPATFULL

ACCESSION NUMBER: 2001:155766 USPATFULL

TITLE: 49 human secreted proteins

INVENTOR(S): Moore, Paul A., Germantown, MD, United States  
Ruben, Steven M., Oley, MD, United States  
Olsen, Henrik S., Gaithersburg, MD, United States  
Shi, Yanggu, Gaithersburg, MD, United States  
Rosen, Craig A., Laytonsville, MD, United States  
Florence, Kimberly A., Rockville, MD, United States  
Soppet, Daniel R., Centreville, VA, United States  
Lafleur, David W., Washington, DC, United States  
Endress, Gregory A., Potomac, MD, United States  
Ebner, Reinhard, Gaithersburg, MD, United States  
Komatsoulis, George, Silver Spring, MD, United States  
Duan, Roxanne D., Bethesda, MD, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021700	A1	20010913
APPLICATION INFO.:	US 2000-739254	A1	20001219 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-511554, filed on 23 Feb 2000, ABANDONED Continuation-in-part of Ser. No. WO 1999-US19330, filed on 24 Aug 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-97917P	19980825 (60)
	US 1998-98634P	19980831 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	15462	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 136 OF 150 USPATFULL

ACCESSION NUMBER: 2001:98071 USPATFULL

TITLE: ErbB4 receptor-specific neuregulin related ligand antibodies and uses therefor  
 INVENTOR(S): Godowski, Paul J., Burlingame, CA, United States  
 Mark, Melanie Rose, Burlingame, CA, United States  
 Zhang, Dong Xiao, Burlingame, CA, United States  
 PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6252051	B1	20010626
APPLICATION INFO.:	US 1998-126121		19980730 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-899437, filed on 24 Jul 1997, now patented, Pat. No. US 6121415, issued on 19 Sep 2000		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-52019P	19970709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Caputa, Anthony C.	
ASSISTANT EXAMINER:	Nickol, Gary	
LEGAL REPRESENTATIVE:	Conley, Deirdre L.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	3534	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a novel neuregulin related ligand (NRG3) including fragments and variants thereof, as new members of the neuregulin family of compounds. The invention also concerns methods and means for producing NRG3. The native polypeptides of the invention are characterized by containing an extracellular domain including an EGF-like domain, a transmembrane domain and a cytoplasmic domain. Isolated nucleotide sequences encoding such polypeptides, expression vectors containing the nucleotide sequences, recombinant host cells transformed with the vectors, and methods for the recombinant production for the novel NRG3s are also within the scope of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 137 OF 150 USPATFULL  
 ACCESSION NUMBER: 2000:125191 USPATFULL  
 TITLE: ErbB4 receptor-specific neuregulin related ligands and uses therefor  
 INVENTOR(S): Godowski, Paul J., Burlingame, CA, United States  
 Mark, Melanie Rose, Burlingame, CA, United States  
 Zhang, Dong Xiao, Burlingame, CA, United States  
 PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6121415		20000919
APPLICATION INFO.:	US 1997-899437		19970724 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-52019P	19970709 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Eyler, Yvonne	
LEGAL REPRESENTATIVE:	Conley, Deidre L.	
NUMBER OF CLAIMS:	7	

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 15 Drawing Figure(s); 11 Drawing Page(s)  
LINE COUNT: 4325

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a novel neuregulin related ligand (NRG3) including fragments and variants thereof, as new members of the neuregulin family of compounds. The invention also concerns methods and means for producing NRG3. The native polypeptides of the invention are characterized by containing an extracellular domain including an EGF-like domain, a transmembrane domain and a cytoplasmic domain. Isolated nucleotide sequences encoding such polypeptides, expression vectors containing the nucleotide sequences, recombinant host cells transformed with the vectors, and methods for the recombinant production for the novel NRG3s are also within the scope of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 138 OF 150 USPATFULL  
ACCESSION NUMBER: 2000:18411 USPATFULL  
TITLE: Compositions and methods for the prevention and treatment of oral mucositis  
INVENTOR(S): Steinberg, Deborah A., Saratoga, CA, United States  
Chao, De Hwa, San Jose, CA, United States  
Loury, David J., San Jose, CA, United States  
Fu, Roger Cherng, Saratoga, CA, United States  
Gu, Chee Liang, Saratoga, CA, United States  
Chang, Conway C., San Francisco, CA, United States  
Fiddes, John C., Palo Alto, CA, United States  
PATENT ASSIGNEE(S): IntraBiotics Pharmaceuticals, Inc., Mountain View, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6025326		20000215
APPLICATION INFO.:	US 1996-752853		19961121 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-690921, filed on 1 Aug 1996, now abandoned which is a continuation-in-part of Ser. No. US 1996-649811, filed on 17 May 1996, now abandoned which is a continuation-in-part of Ser. No. US 1995-562346, filed on 22 Nov 1995, now abandoned which is a continuation-in-part of Ser. No. US 1995-499523, filed on 7 Jul 1995, now patented, Pat. No. US 5804558 which is a continuation-in-part of Ser. No. US 451832		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Achutamurthy, Ponnathapu		
ASSISTANT EXAMINER:	Moore, William W.		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	2606		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides methods and compositions suitable for treating oral mucositis in animals, including humans, with antimicrobial peptides such as protegrin peptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 139 OF 150 USPATFULL  
ACCESSION NUMBER: 1999:110304 USPATFULL  
TITLE: **Nutritional** product for a person having ulcerative colitis  
INVENTOR(S): DeMichele, Stephen Joseph, 5525 Windwood Dr., Dublin,

OH, United States 43017  
Garleb, Keith Allen, 2208 Smokey View Blvd., Powell,  
OH, United States 43081  
McEwen, John William, 336 Spruce Hill Dr., Gahanna, OH,  
United States 43230  
Fuller, Martha Kay, 518 Munich Pl., Westerville, OH,  
United States 43081-3602

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5952314		19990914
APPLICATION INFO.:	US 1998-83736		19980522 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-221349, filed on 1 Apr 1994, now patented, Pat. No. US 5780451		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lee, Howard C.		
LEGAL REPRESENTATIVE:	Brainard, Thomas D., Dixon, J. Michael		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1703		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An enteral **nutritional** product for a person having ulcerative colitis contains in combination (a) an oil blend which contains eicosapentaenoic acid (20:5n3) and/or docosahexaenoic acid (22:6n3), and (b) a source of indigestible carbohydrate which is metabolized to short chain fatty acids by microorganisms present in the human colon. Preferably the **nutritional** product also contains one or more nutrients which act as antioxidants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 140 OF 150 USPATFULL  
ACCESSION NUMBER: 1999:4038 USPATFULL  
TITLE: Methods for the treatment of wounds using butyric acid salts and derivatives  
INVENTOR(S): Faller, Douglas V, Braintree, MA, United States  
PATENT ASSIGNEE(S): Trustees of Boston University, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5858365		19990112
APPLICATION INFO.:	US 1995-473957		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-142908, filed on 29 Oct 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Minnifield, Nita		
LEGAL REPRESENTATIVE:	Kenyon & Kenyon		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	41 Drawing Figure(s); 21 Drawing Page(s)		
LINE COUNT:	1870		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention is directed to methods of administering physiologically stable and safe compositions of butyric acid salts and derivatives to a patient for the purpose of wound healing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 141 OF 150 USPATFULL  
ACCESSION NUMBER: 1998:82739 USPATFULL  
TITLE: **Nutritional** product for a person having

INVENTOR(S): ulcerative colitis  
DeMichele, Stephen Joseph, Dublin, OH, United States  
Garleb, Keith Allen, Powell, OH, United States  
McEwen, John William, Gahanna, OH, United States  
Fuller, Martha Kay, Westerville, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5780451		19980714
APPLICATION INFO.:	US 1994-221349		19940401 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kight, John		
ASSISTANT EXAMINER:	Lee, Howard C.		
LEGAL REPRESENTATIVE:	Drayer, Lonnie, Brainard, Thomas D., Dixon, J. Michael		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1715		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An enteral **nutritional** product for a person having ulcerative colitis contains in combination (a) an oil blend which contains eicosapentaenoic acid (20:5n3) and/or docosahexaenoic acid (22:6n3), and (b) a source of indigestible carbohydrate which is metabolized to short chain fatty acids by microorganisms present in the human colon. Preferably the **nutritional** product also contains one or more nutrients which act as antioxidants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 142 OF 150 USPATFULL  
ACCESSION NUMBER: 1998:72437 USPATFULL  
TITLE: Isolation and composition of novel glycosidases  
INVENTOR(S): Wong-Madden, Sharon T., Newburyport, MA, United States  
Guthrie, Ellen P., Andover, MA, United States  
Taron, Christopher H., Champaign, IL, United States  
Landry, David, Essex, MA, United States  
Guan, Chudi, Wenham, MA, United States  
Robbins, Phillips W., Beverly, MA, United States  
PATENT ASSIGNEE(S): New England Biolabs, Inc., United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5770405		19980623
	WO 9508645		19950330
APPLICATION INFO.:	US 1996-596250		19960624 (8)
	WO 1994-US10758		19940922
			19960605 PCT 371 date
			19960605 PCT 102(e) date
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-126174, filed on 23 Sep 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Slobodyansky, Elizabeth		
LEGAL REPRESENTATIVE:	Williams, Gregory D.		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 17 Drawing Page(s)		
LINE COUNT:	2630		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Purified N-acetylglucosaminidase and .alpha.1-3,6 Galactosidase

endogenous to Xanthomonas have been described. Substrate specificity of isolated enzymes have been identified from GlcNAc.beta.1-x and Gal.alpha.1-3R, Gal.alpha.1-6R, providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 143 OF 150 USPATFULL  
ACCESSION NUMBER: 97:99270 USPATFULL  
TITLE: Method and compositions for reducing cholesterol absorption  
INVENTOR(S): Tang, Jordan J. N., Edmund, OK, United States  
Wang, Chi-Sun, Oklahoma City, OK, United States  
PATENT ASSIGNEE(S): Oklahoma Medical Research Foundation, Oklahoma City, OK, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5681819		19971028
APPLICATION INFO.:	US 1995-479160		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-347718, filed on 1 Dec 1994		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory, LLP		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	2725		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions derived from all or a portion of the carboxy terminal region of human bile salt-activated lipase (BAL) are described, which, when orally ingested, compete with native BAL in binding to the intestinal surface, thus reducing the physiological role of BAL in mediating the transfer of cholesterol into the intestinal cells, and, as a result, reducing the amount of cholesterol absorbed from the intestine into the blood stream. Useful derivatives of the carboxy terminal region of BAL are derived from all or portion of the region containing amino acid residues 539 to 722, and have a **mucin**-like structure containing at least three of the repeating proline-rich units of eleven amino acid residues each.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 144 OF 150 USPATFULL  
ACCESSION NUMBER: 95:84211 USPATFULL  
TITLE: Biologically active undenatured whey protein concentrate as food supplement  
INVENTOR(S): Bounous, Gustavo, Montreal, Canada  
Gold, Phil, Westmount, Canada  
Kongshavn, Patricia A. L., St. Lambert, Canada  
PATENT ASSIGNEE(S): Immunotech Research Corporation, Ltd., Montreal, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5451412		19950919
APPLICATION INFO.:	US 1993-84304		19930629 (8)
DISCLAIMER DATE:	20100727		
RELATED APPLN. INFO.:	Division of Ser. No. US 1989-417246, filed on 4 Oct 1989, now patented, Pat. No. US 5290571 which is a continuation-in-part of Ser. No. US 1988-289971, filed on 23 Dec 1988, now abandoned which is a		



continuation-in-part of Ser. No. US 1988-188271, filed  
on 29 Apr 1988, now abandoned.

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Knode, Marian C.  
ASSISTANT EXAMINER: Witz, Jean C.  
LEGAL REPRESENTATIVE: White, John P., Golden, Matthew J.  
NUMBER OF CLAIMS: 2  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 1867

AB The present invention is concerned with a whey protein composition comprising a suitable concentration of whey protein concentrate wherein the whey protein concentrate contains proteins which are present in an essentially undenatured state and wherein the biological activity of the whey protein concentrate is dependent on the overall amino acid and small peptides pattern resulting from the contribution of all its protein components and a method of producing said whey protein composition. The invention also relates to several applications of said composition.

L43 ANSWER 145 OF 150 USPATFULL  
ACCESSION NUMBER: 95:75964 USPATFULL  
TITLE: Method of treating ulcerative colitis  
INVENTOR(S): Garleb, Keith A., Powell, OH, United States  
Demichele, Stephen J., Dublin, OH, United States  
PATENT ASSIGNEE(S): Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5444054		19950822
APPLICATION INFO.:	US 1994-221440		19940401 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Griffin, Ronald W.		
LEGAL REPRESENTATIVE:	Drayer, Lonnie R., Nickey, Donald O.		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1803		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of improving the **nutritional** status and reversing the characteristic diarrhea and inflammatory condition in a mammalian creature having ulcerative colitis or inflammation of the colon which contains in combination (a) an oil blend which contains eicosapentaenoic acid (20:5n3) and/or docosahexaenoic acid (22:6n3), and (b) a source of indigestible carbohydrate which is metabolized to short chain fatty acids by microorganisms present in the human colon. Preferably the **nutritional** product also contains one or more nutrients which act as antioxidants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 146 OF 150 USPATFULL  
ACCESSION NUMBER: 94:17812 USPATFULL  
TITLE: Biologically active whey protein concentrate  
INVENTOR(S): Bounous, Gustavo, Montreal, Canada  
Gold, Phil, Westmount, Canada  
Kongshavn, Patricia A. L., St. Lambert, Canada  
PATENT ASSIGNEE(S): Immunotec Research Corporation, Ltd., Quebec, Canada  
(non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5290571 19940301  
APPLICATION INFO.: US 1989-417246 19891004 (7)  
DISCLAIMER DATE: 20100727  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1988-289971, filed on 23 Dec 1988, now abandoned And a continuation of Ser. No. US 1988-188271, filed on 28 Apr 1988, now abandoned

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Robinson, Douglas W.  
ASSISTANT EXAMINER: Witz, Jean C.  
LEGAL REPRESENTATIVE: White, John P.  
NUMBER OF CLAIMS: 13  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 1987

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is concerned with a whey protein composition comprising a suitable concentration of whey protein concentrate wherein the whey protein concentrate contains proteins which are present in an essentially undenatured state and wherein the biological activity of the whey protein concentrate is dependent on the overall amino acid and small peptides pattern resulting from the contribution of all its protein components and a method of producing said whey protein composition. The invention also relates to several applications of said composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L43 ANSWER 147 OF 150 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1997:396433 BIOSIS

DOCUMENT NUMBER: PREV199799695636

TITLE: **Mucin** output in ileal digesta of pigs fed a protein-free diet.

AUTHOR(S): Lein, K. A.; Sauer, W. C. (1); Fenton, M.

CORPORATE SOURCE: (1) Dep. Agric. Food and Nutritional Sci., Univ. Alberta, Edmonton, AB T6G 2P5 Canada

SOURCE: Zeitschrift fuer Ernahrungswissenschaft, (1997) Vol. 36, No. 2, pp. 182-190.  
ISSN: 0044-264X.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English; German

AB Daily outputs of **mucin** in ileal digesta were estimated in three barrows fed a protein-free diet while administered either saline (SAI) or a complete amino acid mixture (AAI) intravenously. The water soluble-ethanol precipitable fraction of ileal digesta (crude **mucin**; CM) was used to estimate the composition of **mucin** in ileal digesta. This fraction exhibited a carbohydrate composition characteristic of **mucin** and had a high **threonine**, serine and proline content (40 mol/100 mol). The proportions of soluble gastric and intestinal **mucins**, approximately 27 and 73%, respectively, were estimated from the N-acetylglucosamine (GlcNAc)/N-acetylgalactosamine (GalNAc) ratio in CM. The daily outputs of soluble **mucin**, 2.75 and 3.41 g/day from SAI and AAI pigs (p = 0.13), respectively, were determined from the GalNAc outputs in CM, assuming the above contributions of gastric and intestinal **mucins**. The estimated soluble **mucin** outputs accounted for more than 99% of the fucose, galactose, GalNAc and GlcNAc in CM. Total **mucin** outputs in ileal digesta, 5.32 and 5.65 g/day from SAI and AAI Pigs (p = 0.24), respectively, were determined from the total GalNAc output in digesta, assuming soluble and insoluble **mucin** had similar compositions. Based on these outputs, **mucin** represented approximately 30, 7 to 22, 15 and 11% of the endogenous **threonine**

, proline, serine and protein, respectively, in ileal digesta. Approximately 74, 76, 100 and 53% of the fucose, galactose GalNAc and GlcNAc, respectively, in ileal digesta from pigs in this study was attributed to **mucin**. The results from this study demonstrate the importance of **mucin** as a source of some endogenous amino acids and carbohydrates.

L43 ANSWER 148 OF 150 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:581669 CAPLUS

DOCUMENT NUMBER: 135:142270

TITLE: A method for maintaining or improving the synthesis of **mucins** by administering **threonine**

INVENTOR(S): Ballevre, Olivier; Finot, Paul-Andre; Breuille, Denis

PATENT ASSIGNEE(S): Societe des Produits Nestle S.A., Switz.

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001056405	A2	20010809	WO 2001-EP1013	20010131
WO 2001056405	A3	20020124		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2001031723	A1	20011018	US 2001-774814	20010130
EP 1255452	A2	20021113	EP 2001-911559	20010131
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.:  
 US 2000-498905 A 20000204  
 US 2001-774814 A 20010130  
 WO 2001-EP1013 W 20010131

AB Methods for maintaining, improving or increasing the synthesis of **mucins** by administering a **nutritional** compn. or supplement that contains a therapeutically effective amt. of **threonine** are provided. The present invention further provides methods for treating a variety of **disease** states characterized by alterations to the **mucin** levels, such as, intestinal inflammatory and bacterial infections or other like **disease** states. Cats were administered a diet contg. **threonine** and synthesis of **mucin** in the gastrointestinal mucosa was studied. patients suffering from Crohn's **disease** were given Peptamen as the sole source of **nutrition** for a period of 8 wk. Endoscopic assessment and mucus conditions in all patients improved after administering the **nutritional** compn. to the patients.

L43 ANSWER 149 OF 150 WPIDS (C) 2002 THOMSON DERWENT

ACCESSION NUMBER: 2002-280845 [32] WPIDS

CROSS REFERENCE: 2002-280846 [32]; 2002-488790 [52]; 2002-488791 [52]

DOC. NO. CPI: C2002-082616

TITLE: Composition as nutritive supplement for sick patient, comprises sources of protein having preset amount of whey protein, lipid with preset fatty acid, carbohydrate and macro-nutrient, providing preset total calories.

DERWENT CLASS: D13

INVENTOR(S): ANANTHARAMAN, H G; FUCHS, E C; GARCIA-RODENAS, C L;

GUIGOZ, Y; LEATHWOOD, P; MALLANGI, C R; REIFFERS-MAGNANI,  
K; TURINI, M  
PATENT ASSIGNEE(S): (NEST) SOC PROD NESTLE SA  
COUNTRY COUNT: 96  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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WO 2002015719	A2	20020228	(200232)*	EN	20
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
AU 2001095488	A	20020304	(200247)		

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2002015719	A2	WO 2001-EP9578	20010820
AU 2001095488	A	AU 2001-95488	20010820

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001095488	A Based on	WO 200215719

PRIORITY APPLN. INFO: US 2000-227117P 20000822

AN 2002-280845 [32] WPIDS  
CR 2002-280846 [32]; 2002-488790 [52]; 2002-488791 [52]  
AB WO 200215719 A UPAB: 20020820

NOVELTY - A composition comprises protein source providing at least 8% of the total calories, lipid source providing at least 18% of the total calories, carbohydrate source, and macro-nutrient profile comprising at least vitamin E and C. The protein source comprises at least 50 weight % of whey protein of the protein source. The lipid source has omega ( omega ) 3-6 fatty acid ratio of approximately 5:1-10:1.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) use of the composition as **nutritional** supplement; and
- (2) producing the composition which involves blending protein source, lipid source, carbohydrate source and micro-nutrients.

USE - For use as **nutritional** supplement (claimed), in pet food, for use in preparing ingestible carrier, functional food or medicament for supplementing **nutrition**, prevention or treatment of convalescing patients recovering from illness or surgery, for persons having limited appetite such as elderly, children or anorexic patients, persons having impaired ability to digest protein and other sources of protein such as persons having chronic gastritis who have reduced gastric pepsin digestion, for sick patients, for protein-energy malnutrition, for persons suffering from sepsis, injury, burns and inflammation, for stressed patients having depleted glutamine status, for promoting glutamine synthesis in patients suffering from injured, diseased intestines or maintained physiological function of intestine, for maintaining/increasing plasma glutamine levels in humans and animals, for improving immune function, for patients suffering from impaired/reduced **mucin** production such as patients undergoing inflammatory response suffering from malnutrition, suffering from cystic fibrosis, malignancy, chronic inflammatory bowel **diseases**, ulcerative colitis and Crohn's **disease**.

ADVANTAGE - The composition is easier to digest and less prone to induce satiety, and hence reduces problems of patient not consuming

sufficient amount of supplement. Rich components of the composition provides supplement which is more rapidly digested, enabling patients to consume therapeutically effective amount of supplement or other food to provide adequate **nutrition**. The composition has well-balanced lipid profile which provides readily available energy source. The composition is physically stable, less viscous and lighter, and has favorable taste, when compared conventionally. The composition enables efficient and quick regain of strength, and hence helps in recovery of convalescing patient. The composition in powder-form, fortified beverage in liquid-form, bar, or in pudding with custard or flan-like texture, is easily consumed even by persons with dysphagia or other swallowing problems. The composition is formulated for human consumption and/or administration, preferably provided in functional food product which does not require any special administration. Probiotic microorganism restores natural balance of intestinal flora after antibiotic therapy. The composition efficiently inhibits growth of *Helicobacter pylori* in stomach causing ulcer in individuals having gastritis. The composition rich in vitamin E and C, and taurine, is used to replete levels of nutrients in blood following depletion related to infection, sepsis or other oxidative stress. Prebiotic fiber beneficially affects host by selectively stimulating growth and/or activity of bacteria in colon having potential to improve host health. Soluble, prebiotic fibers promote growth of bifidobacteria in gastrointestinal tract, and prevents/reduces growth of pathogens such as Clostridia. Whey protein has high **threonine** content (important building block of **mucins**), and hence supplement is provided to patients suffering from impaired/reduced **mucin** production like patients undergoing inflammatory response suffering from malnutrition, undergoing treatment including administration of non-steroidal antiinflammatory drugs, and after total parenteral **nutrition**. Whey protein has high cysteine content (important antioxidant and immediate precursor of glutathione), and hence supplement is provided to patients suffering from glutathione depletion and low antioxidant status.

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L43 ANSWER 150 OF 150 FROSTI COPYRIGHT 2002 LFRA  
ACCESSION NUMBER: 565117 FROSTI  
TITLE: A method for maintaining or improving the synthesis of **mucins**.  
INVENTOR: Ballevre O.; Finot P.-A.; Breuille D.  
PATENT ASSIGNEE: Societe des Produits Nestle SA  
SOURCE: PCT Patent Application  
PATENT INFORMATION: WO 2001056405 A2 20010809  
APPLICATION INFORMATION: 20010131  
PRIORITY INFORMATION: United States 20000204; 20010130  
NOTE: 20010809  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
AB A method is given for maintaining or improving the synthesis of **mucins**, especially in the gastrointestinal tract or lungs. The **nutritional** composition contains a therapeutically effective amount of **threonine**. This can be used to treat **diseases** characterized by changed **mucin** levels such as intestinal inflammatory and bacterial infections.

=> mucin

MUCIN IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=>

Connection closed by remote host